

JOHN AITKEN, M. D.



JOHN AITKEN, M. D.

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PRINCIPLES

OF

MIDWIFERY,

OR

PUERPERAL MEDICINE.

BY

JOHN AITKEN, M. D.

FELLOW OF THE ROYAL COLLEGE OF SURGEONS, MEMBER OF THE ROYAL MEDICAL SOCIETY, A SURGEON OF THE ROYAL INFIRMA-RY, &C. AND LECTURER ON ANATOMY, SURGERY, AND MID-WIFERY, IN EDINBURGE.

THE SECOND EDITION,

Enlarged and Illustrated with Engravings.

To me be Nature's volume broad displayed, And to peruse her all-instructive page My sole delight.

THOMSON.

EDINBURGH:

Sold at the Edinburgh Lying in Hospital, for the Benefit of that Charity.

MDCCLXXXV.

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THE AUTHOR TO HIS PUPILS.

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I Am happy that I have the honour fo foon* to present to you these PRINCIPLES of MIDWIFERY in a second and enlarged edition.

This work exhibits, in comparatively a small compass, a more extensive and elementary view of our art than is to be found in any similar publication in this country that I know of.

I doubt not that you will join with me in opinion, that the engravings are highly useful for illustration: Such of them as are not originals, are taken from the greatest masters; Albinus, Haller, Sue, Baudelocque, &c.

I despair not to render the whole performance more worthy of your notice, in consequence of increasing experience, of more mature reflection, and, above all, of your friendly communications, which to me shall ever be most acceptable.

In Midwifery, as well as in every part of Medicine, I have invariably aimed at improvement; the particular attempts I leave to your recollec-

^{*} The first was published in April 1784.

must determine.

I deem no circumstance in my life more flattering and honourable than your unexampled patronage, whether I consider number or eminence in science.

Not to be ambitious to retain and enhance your friendly fentiments, would be a conduct mean and unworthy in the last degree.

Be affured, the possession of your favour is to me a darling object, which I shall unrelentingly pursue by every fair, liberal, and manly exertion, of which I am capable.

I have the high fatisfaction thus publicly to mention, that the EDINBURGH LYING-IN HOSPITAL, which owes its establishment, and hitherto its existence to you, is prosperous beyond my most fanguine hopes, and promises to be an extensive and permanent asylum to many unfortunate and destitute individuals, in circumstances claiming the most tender attention; and a useful seminary of obstetrical knowledge: From which society must derive the most happy fruits.

[·] Lift of Inventions and Improvements.

[†] About two hundred women have been delivered, and all dismissed in health, since the opening of this hospital, about two years ago.

Your good sense has always been eminently conspicuous in the decorum and humanity of your conduct as Pupils of this Hospital, for which no Encomium is too great.

It would be acting directly in contradiction to my feelings, and to gratitude, should I not cheerfully embrace this occasion most sincerely to thank you, "O ET PRESIDIUM ET DULCE "DECUS MEUM!" for your splendid and distinguished attention; the deep impression it has made, the hand of death can alone erase from the heart of,

GENTLEMEN,

Your most devoted and faithful

friend and fervant,

JOHN AITKEN.

EDINBURGH ANATOMICAL THEATRE, February 3, 1785.

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Viro erudifimo ingeniofiffimoque

arripiemus

JOANNI AITKEN, M. D.

Colleg. Reg. Chirurg. Socio, Chirurgo in Nosocom. Regal. Edinens; Anatom. Chirurg. et Artis Obstetricæ Prelectori, &c. &c.

PRECEPTOR SPECTATE,

NOS, artis obstetricæ alumni tui, nomina quorum huicce chartulæ subsignata sunt, hancce opportunitatem, nostras gratias sinceras tibi proferendi, non carpere non possumus.

Durantibus prælectionibus tuis, nostis votis tam bene respondisti, ut hocce parvum pignus, observantiæ nostræ, erga te haud parvæ, proponcre, nos et decet et delectat.

Etinem non dubitare possumus, quin, tuis præceptis memoratis, et rite in praxi applicatis; artem obstetricam, multo cum honore nobismetipsis, atque commodo puerperis infantibusque, mur.

Ubicunque terrarem, five sub Polis, five rectis Phæbi radiis, Fortuna nos collocaverit, omnes opportunitates, tuæ famæ dissundendæ, alacriter arripiemus.

Diu vivas et floreas, et quicquid incrementum existimationis atque felicitatis unusquisque annus revolvens tibi efferat *.

Datum Edinburgi 12. Kal. Maii, 1784.

This letter is subscribed by forty-fix gentlemen, part of the spring audience 1784, and was entirely unfolicited.

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PRINCIPLES

MIDWIFERY.

Introduction.

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THE principle object of Puerperal Medicine, or Midwifery, is duly to promote and facilitate Parturition or Birth; or to afford requifite affiftance during the Puerperal State.

A just and rational exercise of this art can only be founded in a very accurate knowledge of the Structure, Functions, and Difeases of the parts of the mother and child, as far at least as these are interested. Hence,

- 1 Puerperal Anatomy.
- Physiology.

Carry A and S. Yandan

PRINCIPLES

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MID WHIERRY.

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THE principle object of Puerteral Medicine, as the to promote and inclinate Partwitten or flitth; or to affect require the affect of the promote that require the Tuergeral Sums.

A just and sitional exercise of this art can one to be founded in a very accurate knowledge of the Structure, functions, and Lateurs of the incider and child, as far at least as their are interested. Hence,

Pagperal Anatoniv.

I. PUERPERAL ANATOMY.

PUERPERAL ANATOMY respects,

1 The Officeus } Parts.

If HE offecus parts, are those pieces of bone which complete the inferior part of the trunk of the skeleton, called bones of the pelvis, or bafon, because they include the cavity for named.

The fost parts are the genital or uterine system, and such organs as become interested in parturition from proximity, or otherwise.

the oppor tide, nearly through its works length and

The pelvis is the bottom portion of the abdomen, or lower belly; consequently, a cavity below, and somewhat before the spine or back-bone, and above the inferior extremities.

The bones of the pelvis, connected together, make an irregular ring, confisting in the adult of four pieces:

the ade opposite to this angle is anicular, for

- 1 Or Sacrum, facred bone.
 - 2 Os Coccygis, rump bone.
- 3 and 4 Offa Innominata, nameless bones.

in the published the street was the

[.] See Plate I. and IL

The os facrum and os coccygis, placed one above the other, form the back part; the offa innominata inclose the fides and fore part of the pelvis.

OS SACRUM.

Os facrum, viewed from before or behind, is triangular; the most acute angle is lowest, blunted, and articular, to admit of connection with The middle of the fide oppothe os coccygis. fite to this angle is the highest point, it is joined to the spine or chain of bones named the vertebrae; it projects confiderably into the pelvis; on this account it is named promontory. The other fides are partly articular, for connection with the offa innominata. The anterior furface. in which are ordinarily five pairs of holes, being confiderably hollowed, is termed concavity. These holes communicate with a large triangular canal, which runs from behind the articular furface, on the upper fide, nearly through its whole length. The like number of smaller ones on the posterior convex, and rough furface, also open into this The pelvis is the bottem portion of the lenes

med, or lower belly; configurally, a carity helow, and house. Stay25505 80 me or back-bone,

Os coccygis is a miniature representation of the os facrum, the holes, canal, articular surfaces on the sides, and inferior angle excepted. The side opposite to this angle is articular, for connection with the os facrum, by which the

2 Or Cterveir, runns bone.

^{*} Prenak's Elem. Art. Obft. 10.

BAUDELOÇQUE'S L'Art des Accouchmens, tom. I p. 222. He calle it La faillie du facrum.

concavity of that bone is feemingly augment-

The general anatomist describes both these bones as making up the inserior pyramid of the spine, under the denomination of salse vertebrae, alluding to the pieces of which they are composed in the young subject *, and to their concretion, compared with those of the superior pyramid called true vertebrae.

OSSA INNOMINATA.

Each or innominatum, during early life, plainly confifts of three pieces, which, before puberty, fuffer complete concretion, or become one.

to suppose of the Managara and a more

ula lo portivas azmerobeticas

1 Os ilium, baunch-bone,

2 Os ifchii, hip-bone, feat-bone,

3 Os pubis, share-bone.

Os ilium makes the uppermost or largest share of the os innominatum; its circular edge, which forms the contour of the haunch, is called crest and spine; the anterior extremity of this spine, and a portuberance about an inch and half below it, are superior and inserior spinous processes: A prominent line, stretching from the upper side of the os sacrum, to the contiguous os pubis, is linea innominata †: This makes part of the brim, or superior boundary of the pelvis: The hollow between this bone and the crest, which of course is no part of the pelvis, is soffa iliaca †: Its articular surface is calculated to join with the os sa-

en at bookst at some office of the co

[.] WIN SEOW's Exposition Anatomique.

[†] PLENCK's Elem, Art. Obft.

BAUDE LOCQUE's L'Art des Accouchemens,

the hind edge, is formed into a large hole by

a diga ment named facro if chiatic. lasting of

Or ilibii is the undermal portion of the os innominatum; its infecior part, an which the body is supported when fitting, is suberestry, (tuber ifchii); on the back part, about two inches above the lowest point of the tuberofity, is a sharp procefs, named fpine, (fpina ifchii); it inclines to the adjacent edge of the os facrum, and is nearer to its fellow than the une cuberofity is to the other. A process, named ramus, stands obliquely forwards from the tuberolity, about an inch and a half in length, it unites with a fimilar one of the os pubis, the curvature or notch formed by their union, makes about half of the circumference of a large oval-like hole, called thyroid (foramen thyrodium vel ovulare), which is turned some what forwards and downwards

Os pubis is the foremost division of the os innominatum, on the edge of its cavity, which respects its fellow, is an articular surface, to savour their cohesion. The superior edge is turned a little outwards like a lip, and is its crest. A strong process connects this bone to the os ilium; the continuation of the linea innominata is to be seen in its upper part; it is consequently a portion of the brim of the pelvis. A stender and shorter process, named ramus, is directed downwards and backwards to join with that of the os ischii; these complete the thyroid hole. This ramus, with its fellow, form a curvature termed angle and arch of the ossa lodged in its upper part, or passage of the urine, is lodged in its upper part,

Liaplation to of the galle' mateury

t Raungunger's L'And des Alme betweens.

while the bladder is well supported on the conjoined success of the bodies of

these bones, turned obliquely upwards.

The place of union of these three pieces of the or innominatum, on the exterior surface, is distinguished by a cup-like extity, called seembalan, which receives the head of the thighbone.

CONNECTION OF THE BONES OF THE PELVIS.

The offs innominate are connected immoved ably, by their pofterior ends, to the os facrium, by means of a carrilaginous or griftly substance, of a considerable thickness.

This mode of articulation, or joining of bones, by anatomits, is called fymphysis or synches

comes while try the estimate of the ost where

The junction of the offs innominate and of factum is termed facto-iliae, or posterior sympletic of the pelvis; and that of these bones to one another is called paterior sympless of the pelvis, or sympless pubis, in which a particular disposition of the connecting matter has been described.

No relative motion is permitted among their bones in the healthful state, notwithstanding

contrary affertions of fome authors 4.712 and store

The connection of the os coccygis and facrum appears likewife to be a fymphysis, but so lax as to permit occasionally a degree of forward and backward motion of its inserior extremity or point; by this the concavity of the pelvis behind is proportionally varied, and consequently its inferior aperture.

[·] London Med. Obf. and Inquiries, vol. ii. p. 333.

[†] DUVERNAY's Anatom. Camera's Departirat. Anat, Pathol.

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Animal ligaments in general are perhaps productions of the periosteum, a dense membrane, which covers the bones.

A ligament on each fide, named facro-iliac and lateral*, is extended from the upper fide of the os facrum to the adjacent edges of the spine of the offa ilia.

Below, from each fide of the os facrum, two ligaments are extended to the os ifchii, therefore named facro-isciatic, the anterior is attached to the spina ischii; the posterior, the largest and strongest, is inserted into the tuber ischii.

These ligaments, thus disposed, leave an opening between their anterior extremities, which becomes a hole by the assistance of the os ischii, and transmits the tendon of the obturator internus muscle, on its way to the thigh-bone; at same time they form the posterior great notch of the os ilium into a hole for the transmission of bloodvessels and nerves to the leg.

Each thyroid hole is nearly closed by a ligament, on this account named obturator.

Ligamentous fibres are variously stretched across the symphysis pubis, so as to strengthen this connection,

A portion of a tendon of the external oblique muscle of the abdomen, improperly called Paupart's or Fallopius's ligament, is extended on each side, between the superior spinous process of the os ilium and crest of the os pubis, by which and the adjacent bone, a large space is inclosed. Through this vessels and nerves are transmitted

[•] Simmons' Anatomy of the Human Body.

to and from the leg, and that kind of bernit or rupture, called femoral, chiefly incidental to women, is formed.

FORM OF THE PELVIS.

A precise acquaintance with the form of the pelvis is interesting in every view; because, in a great degree, on the relation betwixt this and that of the child, depends successful parturition.

The pelvis may be confidered as a great paffage or hole inclosed principally by the irregular zone or circle of bones already described; its form is altogether *peculiar*, being various in various parts.

The line bounding its fuperlor aperture is its brim, that circumscribing its inferior one, is its

bottom

The brim is formed by the upper side, or edge of the os sacrum, linea innominata, and ridges of

the offa pubis, already adverted to.

The margin of its bottom irregularly waved and ferpentine, is formed by the rami or arch of the offa pubis, the offa ischiorum, the sacro-ischiatic liga-

ments, and os coccygis.

The brim does not much resemble any regular figure; it approaches somewhat to an oval placed transversely between the offa ilia. This circumstance is chiefly the effect of the projection of the promontory of the os sacrum; it otherwise inclines a great deal to a circle.

The middle portion, or that which is imme-

diately within the brim is nearly circular.

The inferior aperture, confidered as bounded by the opposite points of the bones that approach the most to one another, namely, the as coccygis, and symphysis pubit, and spina ischiorum, is almost circular.

The tuberofities, and a confiderable share of the osla ischiorum, in this view of the bottom of the pelvis, are really under it.

A precise acquaintence with the farm of the

THE AXES OF THE PELVIS.

Attention to the axes of the pelvis is confequen-

tial in theory as well as in practice.

It may be confidered as having two axes, one in the superior, and one in the inferior aperture.*

A line equidistant from the opposite points of the brim is the axis of the superior aperture: This makes an acute angle of about twenty-three degrees with the axis of the body; protracted upwards, it pervades the umbilicus, or navel, and during advanced pregnancy, the point of transmission is considerably higher.

The axis of the inferior aperture is likewife a line equidificant from the bounding points already described; protracted downwards, it passes

through the anus, or a little before it.

These two axes extended backwards, cut one another in, or a little beyond the os facrum; if joined by a curved line equidistant from the sides of the pelvis in which it is placed, they mark what may be called the path of the child's head, or the line in which its central point is moved during parturition.

When the body is reclined to a middle degree between the fitting and lying attitudes, the brim

^{*} Baudelocque's L'Art des Accouchment, tem, 15. p. 3.

of the pelvis becomes nearly horizontal, and the fuperior axis perpendicular. lo anomenio to soit

The hand, or chirurgical instruments, ought to coincide with these axes; the superior one is nearly that of the uterus, or the line in which it rifes during the gravid state.

THE DIMENSIONS OF THE PELVIS.

st inches. It is by no means sufficient, to a just and scientific practice of midwifery, to acquire a general notion of the form of the pelvis; its dimenfions ought to be precilely ascertained; for this purpose, its diameters must be considered.

A line stretching from the promontory of the os facrum to the fymphysis pubis, so as to divide the brim into halves, is the foort, direct, or conjugate diameter, (diameter recta vel coju-קבום מו מו מו בובק the back part

A line cutting the short diameter at right angles, and dividing the brim into halves, is the long or transverse diameter, (diameter transver-

falis).

A line stretching from nearly the posterior fymphysis of the one side, to the junction of the os ilium, and pubis, of the other, is its oblique diameter, (diameter obliqua); fometimes stiled its diagonal".

The diameters of the inferior aperture obtain

the like appellations.

cate diameter, The depth, various in various points of the pelvis, is greatest at the hind, and least at the fore part.

Prince Liem, Art. Ohft. p. 14. * PLENCK's Elem. Art. Obft.

Authors differ confiderably anent the quantities or dimensions of these diameters.

Dr Smellie, who has been generally copied by the writers in this country, gives out the following.

Brim.

And been out gainst will

Long diameter, - - 5; inches. Short, - - 4;

Bottom. de la segui such contraren

Coccyx from fymph. pubis, distant 5 inches. Tuber ischii from tuber ischii, distant 4;

Depth. wind offi and sil

At the back part	5 inches or more
At the fide	4 distant amil A
At the fore part	maleren na estuna
ameters (diameters in the	the street was no guel

Dr STEIN ascribes to the pelvis these dimenfions, calculated to the Parisian scale **

Brim.

down of Lumerer oblicy;

Cojugate diameter,	. Meine	inches.
Transverse,	SETTIONS !	5
Oblique,	d one re-	44

PLENCE's Elem. Art. Obst. p. 14.

roseptetts eun ?

Fore part

I doise range to Bottom, handb

The Conjugate dinmeter, when the inferior extremity of the os coccygis is nearly an inch pushed backwards, amounts to 5 inches.

M. BAUDELOCQUE gives to the 'pelvis the following dimensions *:

Brim. diamete disputation

Short or fmall diameter, - 4 inches. Long or great, - 5

Tuber from tuber, f. mottom. I state T

Conjugate diameter, 4 inches.

Transverse - 4 ----This last is sometimes a little more.

Depth.

Angle or Arch.

At the fymphysis, 15 to 20 lines; its limbs distant from each other somewhat more than 3 inches; its height is about 2 inches.

[†] L'Art des Accouchmens, vol. I.

The mean dimensions of sour pelves, which I accurately ascertained, were:

catremity of the os miles is nearly in each and the standing of the os an inches.
. Andam & or amuoton , shear Inches Eighth
Long diameter - 5 3
Short 4 6
M. Bearstocons Sives to dis beare its
Bottom. shollmanth miwellol
Conjugate diameter, 3 6 Transverse - 4 1
Short or final diameter, 4 inches.
Angle or Arch.
Tuber from tuber, fore part, distance, 3 4
Conjugate diameter, .diqaC 4 inches.
Behind . rometimes a little more. bnidal
Sides 3 3
Fore part - Dept 1 4

The enternal dimensions of the pelvis covered by the fost parts, according to BAUDELOCQUE, are,

1. From the upper point of the os facrum, to the lowest end of the os coccygis, the distance

is between four and five inches

2. Between the spinous process of the last lumbar vertebra; and an opposite point before the symphysis pubis, the distance is from seven to eight inches, the semale supposed to be moderately corpulent.

of I det des Accouchaces, vol. I.

3. The distance betwixt the anterior superior spinous processes of the offa ilia, is between eight and nine inches.

A proper plan, upon which to conduct the mensuration of the living pelvis, as well externally as internally, is a matter of the highest convaleuler hibitance componing the ovariounsile

THE GENITAL SYSTEM.

the lymph is difebarged, node become corpora

The Genital System consists of

- 1 Ovaria.
- hamatha 2 Uterus,
- The Unerns, or Worsh 3 Tubæ Fallopianæ,
 - 4 Vagina Uteri, siving orle so cina toit
 - 5 Os Externum.

le qu observe berebilines si ergre sid!

The two ovaria are fituated one on each fide, near the brim of the pelvis, and extremities of the long diameter.

These organs a good deal resemble testicles in their form and other circumstances; and accordingly were denominated Teftes very generally by the Ancients *.

The ovaria are tied each by a short ligament to the angles of the uterus, which is consequently situated between them. They are covered by the peritoneum, or lining membrane of the belly.

This covering is smooth and unbroken in the young subject; but, in the adult, it often exhi-

nd animeteres in the second of extern, o

[†] Casserii Tab. Anat. zix. NN. xx. vv. The word Ovarium is not employed by this author,

bits rents, or fcar-like marks, corresponding to dusky substances within; these substances are na-

med corpora lutea t.

Veficles, confifting of a pulpy membrane, about fifteen in number, filled with a coagulable lymph, are discoverable among the cellular and vascular substance composing the ovaria: After the lymph is discharged, these become corpora lutea ||.

Theirbl ood-veffels, named spermatic, are fimilar in origin, course, and form, to those so named

in the male.

THE UTERUS.

The Geniral Syflemiconfuls o

the lone diameter.

region wile to beyolding

The Uterus, or Womb, refembles a flattened ovoid, and is fituated more or less in the fuperior axis of the pelvis. The Lange remains that and a

This organ is confidered as made up of

- 1 Fundus, bottom.
 2 Corpus, body.
 3 Cervix, neck.

The fundus is uppermost. The flattened sides of its body are turned to the os facrum and os pubis respectively; its edges coincide with the transverse diameter of the pelvis.

to the angles of the means, which is con-

HALLERI Prim. Lin. Physiol. fedt. Decellaviii.

feet. DCCCXLVI. In ovario etiam tenerz virginis sedent bulla rotunda, membrana pulposa, firmula facta cellulosis sibris, undique ad ovaria adnexa, qua coagulabili lympha replenter, incerto numero, ad quindecem in uno ovario et ultra, &c.

+ Cassentiffe Ann. etc. net an res. The word Overland while

The cervix, about an inch, or inch and half in length, is terminated by two processes, one before and one behind, separated by a transverse rima or chink; on this account it is named as tinca, and also as internum uteri (internal orifice of the womb).

of the womb).

The uterus is hollow. From the middle of the rima, a contracted passage leads to a small triangular cavity, very limited in its extent from the fore to the back part. The passage of the cervix joins the inferior angle of this cavity. Its side opposite to this angle corresponds to the fundus. Each of the lateral angles is perforated by a fallopian tube; on this account they may be named uterine tubes.

A share of the fore part of the body, the whole of the bottom, and hind part of the uterus, are covered by the peritonæum. The anterior portion of its body and neck, not thus invested by this membrane, are in immediate contact with the bladder of urine; a circumstance deserving to be well remembered in the detection and management of several diseases,

The fubstance of the uterus is of considerable and pretty equable thickness. It consides of

r. Fibres, feemingly of the membranous kind, interwoven with the numerous blood-vessels, and with one another, in various directions; all or part of them some have supposed to be muscular:

2. A lining membrane, more or less smooth, continuous with that which is reflected through, and covers the os internum; it is seemingly continued along the cavities of the uterine tubes.

The uterus is connected loosely to the constituent parts of the pelvis and adjacent surfaces, by cellular substance and ligaments.

The duplicature of the peritonæum, extending

from the edges of the organ in question to the fides of the pelvis, nearly in the course of its transverse diameter, are ligamenta lata, or broad

ligaments.

From the anterior points of the angles of its bottom, two cord-like substances proceed, one on each side, along the brim of the pelvis, to the rings of the corresponding abdominal muscles, through which their extremities somewhat emerge. These are the ligamenta rotunda, or round ligaments. They are in a considerable degree vascular *; and seem to regulate its position during the gravid state †.

FALLOPIAN TUBES.

The Fallopian or Uterine Tubes go off from the lateral angles of the cavity of the uterus, transversely, in a waving manner, each covered-or invested by a fold of the corresponding broad ligament. Their trumpet-like or expanded terminations are turned somewhat back towards the ovaria respectively, near the brim of the pelvis.

These terminations are surrounded with a fringe-like border, resembling soliage t. This by

fome is abfurdly called Morfus Diaboli.

The cavity of the tubes, at their terminations is equal to that of the wing-feathers of the smaller birds. It gradually diminishes towards the uterine extremity, which penetrates the substance and opens into the cavity of the uterus by a winding course.

^{*} Dionis Chirurgic.

[†] Winslow's Expolition Anatomique.

HALLERI Fasciculi,

These tubes are situated in the broad ligaments between the ovaria and ligamenta rotunda.

I found them in concretion with the ovaria.

In another case the outer extremity of one was impervious.

VAGINA UTERL

The Vagina, Passage of the Womb, or Birth, is a tube five or fix inches long, very capacious and distensile.

The upper extremity, continuous with the fubstance of the uterus, embraces the os internum in such a manner that this projects a little way into its cavity, and can be distinctly felt by the finger. Accordingly, ascertaining the state of it is a principal object of touching, or exploratio obsectricia, to be afterwards explained.

From the os internum, the vagina is continued forwards and downwards, its direction nearly coinciding with the inferior axis of the pelvis.

The inferior termination of this tube is termed os uteri externum (external orifice of the womb), and is fituated between and almost equidistant from the arch of the offa pubis and anus.

The vagina makes, with the uterus, a very obtuse angle; they form a curvature nearly coinciding with the conjoined axes of the pelvis *: A circumstance which makes its posterior side a little longer than the anterior one.

The vagina confifts of

1. A dense exterior membrane, evidently continuous with the fibrous texture of the uterus at its upper part, and the cutis vera, or true skin, at

[.] WINSLOW'S Exposition Anatomique.

the inferior end; it is much less vascular than the former:

2. A lining membrane, continued from that of

the utering cavity to the cuticula or scarf-skin.

Thus it would appear, that the vagina and uterus are productions, or internal processes of the common integuments, under special modification. The inflection at the os extremum is obvious.

The interior furface of the vagina, during the the virgin state, abounds with rugæ, or wrinkles, which are much altered or obliterated by child-

bearing t.

Many glands, of the mucous kind chiefly, are feattered along the cavity of the vagina, cervix uteri, in the latter fituation, named vesicula nabothi *; separating the necessary defending and lubricating sluids.

The connection of this organ with the adjoin-

ing parts deferves to be fully marked.

Anteriorly, it is in contact with the neck of the bladder, and the urethra through its whole length; and posteriorly, with the intestinum rectum.

OS EXTERNUM.

The os externum uteri, or external orifice of the womb, strictly speaking, is the inferior or external opening of the vagina; but the expression is generally regarded as equivalent to pudenda, vulva, sinus muliebris.

[#] HALLEN's Fasciculi. This great and ingenious man has paid much attention to this rugose condition.

^{*} PLENCK's Elem. Art. Obk.

The os externum beginning from the prominence of the integuments, placed upon the offa pubis, called mons veneris, is continued towards the os coccygis, and is terminated about two inches be-

fore the extremity of this bone.

Two prominent folds of the integuments, named labia magna, constitute the sides or lateral boundary of the os externum: They extend from the mons veneris, gradually diminishing in prominence and size, to their terminations at the posterior part of the margin of the opening of the vagina. These, and the mons veneris, begin to abound with hair at puberty.

Between the beginnings of the labia magna is apparent the point of the clitoris, covered more or less by a semicircular fold of the integuments, called praputium (fore skin); because it somewhat resembles the penis, and, like it, is attached by its crura to the rami of the offa pubis.

Extending from the clitoris backwards, are two smaller doublings of the integuments, of various length and projection, situated within, and generally covered by the labia magna, called therefore labia minora, or nympha; they terminate at the anterior part of the margin of the vagina, and are very vascular.

Between the posterior extremities of the nymphæ, and immediately before the vagina, is placed the orifice of the urethra or passage of the urine, a tube somewhat more than an inch in length, and equalling a swan's quill in ca-

pacity.

Behind the urethra, and in contact with it, is the orifice of the vagina, or, in a strict sense, the os externum.

This opening is narrowed, generally, till the fexual commerce has taken place, by the bymen, a membranous border, or doubling of the integuments, of a semilunar or circular form +; its

fragments are carunculæ myrtiformes.

The whole of the furface within the labia magna is exquisitely fensible; like the skin of lips, exceedingly vascular, and copiously stored with mucous and other glands, furnishing fluids for protection; they are often the feat of difeafe.

The interstice betwixt the os externum and anus, about an inch in length, is called the perinæum; a space subjected to great changes, parti-

cularly diffention, during parturition.

A cavity between the orifice of the vagina and perinæum is fossa navicularis, bounded late-

rally and behind by the four chette 1.

The inferior extremity of the vagina is connected to the bottom of the pelvis, partly by a muscle, called levator ani; and to the anus and os coccygis, by another, named sphincler ani: A continuation of this last on each side of it, is con-Arictor cunni.

The organs intermediately interested in partu-

rition, from proximity or function, are,

- 1 Vesica Urinaria.
- 2 Intestinum rectum.
- 3 Mammæ.

VESCIA URINARIA.

The vefica urinaria, or bladder of urine, is an oval bag or cyst, placed between the uterus and

⁺ HALLERI Fasciculi. \$ SMELLIE's Midwifery.

CALL STREET, AND STREET

offa pubis, and refting upon the smooth inclined furface of these bones.

The bladder, like the uterus, is confidered as confishing of,

- 1 Fundus.
 - 2 Corpus.
- 3 Cervix.

photo house, see

The fundus or bottom is uppermost.

The corpus or body touches the cervix uteri with its hind furface, and offa pubis with its fore one.

The cervix or neck is the contraction betwixt the body and urethra, corresponding behind to the upper part of the vagina; and before to the arch of the offa pubis; so that the urethra adheres immediately to this arch.

The peritonæum, reflected backwards from the abdominal muscles, about an inch above the offa pubis, covers a share of the anterior surface of the body, all the bottom, and almost the whole of the posterior surface of the bladder, and then mounts upon the uterus.

The bladder is attached to the offa pubis, and adjacent organs, chiefly by cellular substance.

Proximity must create a mutual affection of this organ and the uterus from distension, disease, &c.

INTESTINUM RECTUM.

The intestinum rectum, or straight gut, is the inferior extremity of the intestine, thut by the anus like a valve. 24

This organ extends from the promontory of the os facrum, along the concavity of this bone and os coccygis, to which it is fixed by cellular fubstance, so that the anus is situated about an inch before the extremity of the last named bone.

The relation of the rectum and vagina has been already described; from the vagina upwards it lies behind the peritonæum, so that a perforation may be made safely from the vagina into the peritonæal cavity, for the removal of ascites or peritonæal dropsy.*

The rectum is of great capacity, and, when distended, it necessarily tends to the axis of the pelvis, and assects the state and situation of the uterus and vagina, and in its turn is assected by them.

MAMMÆ.

The mammæ, or breafts, are collections of milkglands, more or less pyramidal and prominent from the fore part of the chest.

The numerous mammary glands are connected by vessels and cellular substance; this last forms a kind of investment or cyst about them, loosely attached to the contiguous muscle, by which means a degree of gliding is permitted: It adheres more closely to the integuments, particularly the areola or disk about the nipple (papilla).

The nipples are bundles of the trunks of the excreting ducts of the milk-glands; each contains about twenty, and carries in its top the like number of corresponding orifices. The cellular mat-

^{*} London Communications, No. xii.

uterus is not

any fundeent musicult.

aght i have terrout en

ter binding them together is peculiarly elastic, and by corrugating them, performs, in some degree, the function of a valve, preventing somewhat the escape of the milk.

The disk abounds obviously with sebaceous sich, leem calculan

glands for protection.

he Abliance be-

The milk glands begin to be evolved about the thirteenth and fourteenth years in this climate, and give proportional fize to the mamma.

The mammary arteries and epigastrics furnish blood to the breasts. Their absorbent vef-

fels run towards the axillary glands.

These organs are by function interested in parturition and its consequences.

The puerperal anatomy necessarly extends to velicis are proportionally enlarged; a change

yd beb 2 The child. The child. The child.

The fielh-like, or mulcular appearance which, THE GRAVID UTERUS.

The uterus is gravid when it contains the embryo, fætus, or child, a state termed gravidity, pregnancy, and utero-gestation.

In proportion as the included child grows and acquires bulk, the uterus is diffended in all its dimensions, still, however, preserving the oval

form +.

The fundus, as pregnancy proceeds, gradually emerges from the brim of the pelvis, following nearly the direction of the axis.

† Albini Tabula. ROEDERERI Tabulæ. Howren's Gravid Uterus.

By the fourth month it is a little above the offapubis , and at last mounts considerably above the umbilicus, pushing upwards, and laterally the ad-

jacent bowels.

The ligamenta rotunds, now put somewhat on the stretch, seem calculated to regulate in some measure the position of the fundus in this elevated condition +.

The ovaria are drawn a good deal from their

usual residence within the pelvis.

The cervise is gradually raised and shortened, and its cavity proportionally widened, at last the prominences bounding the os internum are totally obliterated.

During this distension, the thickness of the uterus is not much diminished, its substance becomes lax and spongy, and its numerous blood-vessels are proportionally enlarged; a change somewhat resembling that which the common integuments undergo when gradually distended by any subjacent tumour.

The flesh-like, or muscular appearance which the gravid uterus at last exhibits, has induced some authors to consider it as a muscular organ; an idea by no means to be readily credited, be-

cause it is repugnant to

- Appearance in the unimprognated flate,
- 2 Function, or severed flin anotherib
 - 3 Analogy.

In some instances the uterine parts have been double.

Andreway Creek Combi

^{*} PIENCE's Elem. Art. Obft. p. 41.

^{*} Dionis' Chirurgie,

¹ DR HUNTER'S Gravid Uterus.

tall as supplied THE CHILD.

lengt of his termination in the alacanes, in which

The child, while unborn, and for fome time after birth, has the following specialities of state and firucture deferving attentive confideration.

- t Umbilical chord,
- 2 Placenta, Proposition of the contract
- 3 Membranes,
- 4 Liquot amnii,
- 5 Urachus, 6 Fotamen ovale,
- 7 Ductus arteriosus, 8 Canalis venosus,
- 9 Unexpanded lungs, 10 Membrana pupilaris,

out of agreement still section to be become and a section of the s I. UMBILICAL CHORD.

The umbilical chord (funis umbilicalis) confifts chiefly of the same same of the limit and have a

- the formed correlpted on the chord 1 Two arteries,
- 2. One vein.

they are formed. W. bon Weed by the ceration The arteries are direct productions or continuations of the bypogastric or internal iliac ones reflected, one on each fide of the bladder. Running before the peritoneum, they gradually approach one another at the umbilieus (navel), which is really a round opening, or ring; they are in contact, and pass through it; they then proceed along the chord, which is about two feet long, to its termination in the placenta, in which

they are minutely and fuddenly ramified.

The vein originates from the placenta at that part where the arteries enter it, and proceeds to the umbilicus spirally, like them. It passes through the ring, and is continued in an upward direction, before the peritoneum, to a cavity in the inferior surface of the liver, named sinus portarum, where it joins the trunk of the vena portarum. It is comparatively large.

These vessels are connected by cellular matter, and covered by the integuments hereafter described, from the umbilicus to the placenta.

PLACENTA.

The Placenta, or Uterine Cake, is a vascular mass, more or less circular, thickest in the middle, convex and articular in the surface turned to the uterus, slightly concave, or nearly plain, on the opposite surface.

It is chiefly formed by the ramifications of the umbilical arteries and veins, their branches appear beautifully ferpentine and prominent on

the furface corresponding to the chord.

The lobes, or subdivisions, correspond to the trunks of the vessels, by the branches of which they are formed. When freed by maceration, they have the appearance of fine fringes or brushes.

The placental veffels and their lobes are connected by cellular matter, which pretty completely covers, as with a lamina, the uterine furface of it.

By proper fluids injected, particularly quickfilver, the rout and motion of the blood can be imitated fully.

The child in utero, they confidered, is a congor ad of hand ad MEMBRANES. . Vincing to he

The Membranes which form the cyft in which the child is included refemble a distended bladder, accurately filling the uterine cavity, their exterior furface being applied to every part of it. They are I Chorion,

so to three

ai bas noth 2 Annios. hey local to de as effectial to an The Charion is outermost; its exterior surface

confequently in contact with the uterus. The adhesion, which is slender, is formed by a diffusion of cellular substance, which has been named spongy chorion *, and even regarded as a distinct involucrum, derived from the uterus, under the appellation of membrana decidua, and membrana decidua reflexa to al flum elaboraboold

The cellular connecting matter upon the chorion in the placenta and chord never contains any fat or oil. It is evidently continuous at the umbilicus with that of the rest of the body, in the fame manner as the umbilical veffels are with the others, and W. Lalles vinorames diama.

The like continuity is to be remarked between the amnies and cuticula or fcarf-fkin, and the chorion and cutis vera, or true fkin.

Thus it appears, that the placenta and umbilical vessels are a part of the vascular system, as are the membranes of the integuments. They are indeed temporary and caducous, analogous in this particular to some of the other parts, the teeth, the bair, &c.

HALLERI Elem. Physiolog.

[†] Dr Hunter's Gravid Uterus, tab. xxviii.

The child in utero, thus confidered, is a complete economy, and may justly be faid to be totus in fe atque rotundus,

The placenta and membranes together are frequently called fecundines (secundines), and after-

birth and after-burthen (l'arriere faix).

These seem to be rudimental parts of every young animal. SPALLANZANI, that ingenious and acute naturalist, has seen them in form of a pellucid vesicle in eggs befor feetundation and incubation. They seem to be as essential to animal growth, as the root is to that of vegetable.

The membranes, with the included child, have been confidered by some as an ovum or egg f. The analogy either does not exist at all, or is

not close.

The chorion and amnies, delicate and pellucid, in general are easily torn or destroyed. Their blood-vessels must be small. No nerves or absorbents have been discovered upon them, or in the placenta.

LIQUOR AMNIL

Liquor Amnii, commonly called Waters, is the collection of water-like or ferous fluid, filling completely the cavity of the amnion not occupied by the child. It deferves attention as to

ł

t

- 1 Sensible qualities,
- 2 Quantity,
- 3 Source,
- 4 Conflituent parts,

Differtations relative to natural history, vol. n. p. 36. 359.

⁺ SMELLIE's Midwifery, paffim.

Potential of the section

Changes, mining this at a large to 6 Ules 1.

URACHUS.

The Urachus is a tube stretched directly from the fundus of the bladder, between the umbilical arteries, and becomes impervious before it reach the navel.

FORAMEN OVALE.

Foramen Ovale is an oval communication, provided with a valve, between the auricles of the heart. An enquiry may be made concerning its

- 1 Duration,
 - 2 Ules.

DUCTUS ARTERIOSUS.

Ductus Arteriosus is a short tube, forming a passage from the aorta to the pulmonary artery, o don lains and and and think

- report atminimization for CANALIS VENOSUS.

Canalis Venosis is a venous canal stretching between the finus venæ portarum and vena cava.

UNEXPANDED LUNGS.

The lungs are unexpanded, and comparatively heavy, fo as to fink in water, before respiration takes place.

Tred tyle for protect that a latter better and about their † PLENCK's Elem, Art. Obft.

Attention to this circumstance is of high importance in the anatomia forensis; or judicial anatomy, as it may be called.

MEMBRANA PUPILLARIS.

Membrana Pupillaris is a delicate film connected with the pupil of the eye.

FORM OF THE CHILD.

The child's body is of a pyramidal form; the head, being the part of greatest circumference, is the base of the pyramid; consequently the trunk and limbs may be readily transmitted through any opening by which the head has passed.

SITUATION OF THE CHILD IN UTERO.

The bulk of the child's head feems to be inversely as its age, and always bears a great proportion to the other parts.

This circumstance may be a chief cause of its being very constantly turned downwards, or pre-

fented to the os internum.

The abundance of the liquor amnii during early life, favours gravitation, and allows the head to take the aforesaid position, and permits the twisting or entangling of the chord about the neck or limbs, and what is more remarkable, the knotting of it.

well heavy, to as to fink in water; beset a sup-

^{*} DR GERARD of Liverpool, my ingenious friend, has lately published an inaugural differration, in which the above, and other circumstances of discrimination of the child, before and after birth, are accurately treated.

STRUCTURE OF THE SKULL AT BIRTH.

The skull, during youth, is made up very confantly of eight pieces, viz.

Os frontis (frontal bone), corresponding to the

fore-head mose maind notice the act dring the

Two offa parietalia (parietal bones), answering to the crown (vertex), and nighbouring surface;

Two offa temporum (temporal bones), placed one on each fide or temple;

Os occipitis (occipital bone), forming the bindbead and posterior part of the base;

Os ethmoides (ethmoidal bone), fituated in the fore-part of the base, above the nose; and

Os sphenoides (sphenoidal bone), completing the

middle portion of the base.

These pieces making up the skull, are connected by a mode of articulation called suture or seam (sutura), of which the various portions, seven in number, have obtained specific names, viz.

That which connects the frontal bone and anterior extremities of the parietal bones, is coronal future, extending from temple to temple;

That which fixes the posterior extremities of the parietal bones to the occipital one, is lambdoidal future, stretched from the base behind the temporal bone on one side, to the corresponding point of the other, nearly coinciding in direction with the coronal suture, both inclining considerably backwards;

That which runs between the contiguous edges of the parietal bones, from the coronal to the lambdoidal future, is the fagittal future.

Those which furround the temporal bones, one on each fide, are temporal futures;

That which incloses the ethmoidal bone, is The fkull, there

ethmoidal suture; and

That which joins the fphenoidal bone to the

contiguous bones, is Sphenoidal Suture.

At birth, the offification being incomplete, the futures are not formed: Their future fituations, however, can be distinctly traced. In points corresponding nearly to the extremities of the fagittal future, are the remarkable deficiencies of bone, named anterior and pasterior openings of the bead (bregmata, fontanellæ).

FORM.

In every period of existence, the human skull, and confequently the head, enjoys more or lefs of the ovoid or egg-like form; of which the forehead is the [mall, and the hind-head the great extremity: Of course, the long axis stretches from the fore-head to the hind-head; and the short one, cutting this at right angles, extends from ear to ear.

DIMENSIONS.

The dimensions at birth are considerably various: The mean measurement of its axes, according to PLENCK, on the Parifian scale, is,

> 4 inches. Long axis, Short ----

Two skulls, which I accurately measured, were found to possess the following:

^{*} Elm. eArt. Obft. p. 14-

ily nocutar	time out	charge	Inches .	Eighthe.
is necel		igh.	infare	of be
Long ax	is,		4	7/10
Short			3	6
	TELL DIES	recond.		or c
Long ax	is.	awd as i	4	4
Short	Lot ridge	norten	Burg sh	on diff
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T		Dimensions.	A DOMESTIC OF THE	destina
Long ax Short			4	5
PHOIC	1304	FIDURAT	3	41

SIZE AND WEIGHT OF THE NEW-BORN CHILD.

At birth the child's

-Kill

1 Length is eighteen or nineteen inches.

2 Breadth at the shoulders five inches and a quarter.

3 Weight is fix or feven pounds* .

Connected with the puerperal anatomy are the following important operations.

- 1 Catheterism,
- 2 Touching.

CATHETERISM.

Catheterism is the introducing of a proper tube, called catheter, into the urethra and bladder,

- † The fecond skull belonged to a twin child.
- · PLENCK's Elem. Art. Obft.

with a view to discharge urine unduly accumulated. To insure success, attention is necessary to the · MIXE Offer

> I Catheter, its form and fize, 2 Posture of the patient.

The male practioner ought to be capable to use the catheter without inspection, a task in general not difficult.

TOUCHING.

Touching (exploratio obstetricia) has for its object the discovering from the state of the uterus and adjacent parts

s while an without

r Pregnancy, 2 Parturition,

3 Disease.

Successful exploration requires attending to I Instrument.

Finger, Carre and Hand, Pelvimeter,

Cephalometer, 2 Posture,

3 Method

A precise acquaintance with the structure of the parts, the subject of this operation, is indifpenfible to fuccefs.

Miles of the control of the bear of and the

Pagetter Flore, Acc. Chil.

II. PUERPERAL PHYSIOLOGY. received to the received of the second of th

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Alle contractions of the state tracking the stire! What they will be a few on the transport of the

make and the William

PUERPERAL PHYSIOLOGY propoles for its principal object the explanation of the functions and uses of the female organs. The chief are,

Leaves to the removement of the contract of th

- 1 Menstruation,
- 2 Generation,
- 3 Parturition.

MENSTRUATION.

efron engelskapageding the quantity

ted as containing the limit of the particle.

Menstruation is a peculiar act of the system, difcharging periodically a quantity of blood from the uterus.

This remarkable circumstance of the female occonomy is entitled to special attention, as to,

- I Term,
- 2 Quantity,
- 3 Quality, 4 Duration,
- first now 5 Source, I will a sent to sent all
- Tomo le 6 Symptoms, Lorrey Could the 200000
 - 7 Caufes,
- The same as Effects from you is both .as we apply come ! and he carry be ween bigs, he than he carked here I yet and all the

TERM.

The usual interval between two consecutive menstruations is about twenty-seven or twenty-eight days, so that the term or period of return occurs about thirteen times during the year.

This process being thus more or less monthly, the effused sluid has been called catamania, menses, menstrual discharge; and on account of its regularity of appearance and connection with health, it is very commonly named courses and flowers.

A fluctuation as to the term is confistent with

rio an itemalarity et al final legit et en

economy is entitled to th

health and the other functions.

QUANTITY. Stantal and lo tala

The quantity of the mentional discharge is various, according to habit and other circumstances; in general it amounts to fix, eight, or ten ounces, often greatly exceeding this quantity.

QUALITY.

The quality of the mentes is healthful and found, and by no means to be regarded as morbid or vinated.

DURATION.

Each menstruation endures for several days, from three to eight or ten; so that it proceeds leisurely resembling an oozing or excludation.

The time of life, at which mentiouation first occurs, is much varied, by climate, and other

^{*} Levit. chap. xv. 24. And if any man lie with a woman at all, and her flowers be upon him, he shall be unclean seven days: and all the bed whereon he lieth shall be unclean.

causes. In the southern latitudes, it happens as early as the eleventh year; in our country, it takes place about the sourteenth one, and often is postponed to the eighteenth and twentieth.

This event is a mark of the maturity of the

fystem.

The term at which the menses finally disappear, is as various as that of its commencement: Indeed, both events seem to depend on the same primary causes; an early commencement and anticipated disappearance are connected. They cease in these climates when the semale has attained her forty-fifth, or at most her fiftieth year, with sew exceptions.

The menstrual flux is suspended during the pregnant and suckling periods; if it occurs during the sormer, it may be regarded as disease.

(Menorrhagia catamerialis*.)

To decide which captage governor or later

normans theirs was intell conscined in each

ing this phenomenon.

The fource of the menses is unquestionably the extreme arteries which open on the surface of the lining membrane of the uterus. These appear to be the same with or very analagous to the exhalant arteries, so abundant on all other portions of the surface. Indeed, some authors have supposed the menstruating vessels to be peculiar in their structure.

^{*} PLENCE's Elem. Art. Obf.

SYMPTOMS. I at at at a service of

The eruption of the catamenial flux is often preceded by Anna disposition on to powerflor a

This event is a mark of the number of the

I Laffitude,
2 Headach,
3 Pain,
4 Quickened pulse †in the battle of the first winds the property of the parties of th

CAUSES.

It is difficult to point out, in a fatisfactory manner, that state of the vessels of the uterus and fystem at large, which constitutes the proximate cause of the menstrual flux.

A degree of plethora or fullness of the vessels, is perhaps always very much concerned in excit-

ing this phenomenon.

To decide whether this be general or local, does not feem to be a point of much moment, for the difference is only that of a whole and a part.

It is by far a more difficult business to assign the causes of the periodical return of this effufion, at intervals, fo furprifingly equal. A reference to the changes of the moon is not a proper folution of the question.

. May it not be the effect of that cause, which gives, in due feafon, the vegetation,

flowering, &c. of plants?

[†] FOSTER's Midwifery, p. 24.

EFFECT.

The final caufe, purpose, or effect of menstruction, seems to be to preserve a condition of the uterus favourable to pregnancy; because, before its commencement, and after its total dispearance, and even during any remarkable irregularity, pregnancy does not happen.

GENERATION.

Generation, or the production of the fætus or embryo, is the most astonishing fact in natural history, to which the mind can direct its attention; accordingly, in every age, it has been a darling subject of philosophical research. It is much to be regretted that a just explication of an event fo interesting has not been its re-

Generation may be confidered as confifting in,

- I Conception,
- 2 Pregnancy.

CONCEPTION.

Conception, or impregnation, is the immediate formation or vivification of the fœtus.

It may be contemplated as to ons this reservation but to seat the

- I Conditions,
- 2 Place,

n,

- 3 Manner,
- 4 Number,
- 5 Symptoms,
 - 6 Sterility.

organic organization of

eder that, in confor

CONDITIONS.

The principal conditions are,

Maturity,

2 Health.

3 Sexual commerce.

PLACE.

It feems to be tolerably well afcertained, that the ovaria or testes are the place in which conception is immediately transacted, these being the only seminal or proper genital organs on the part of the semale. The proofs are

1 Turgescence of one or more vesicles,

2. Corpora lutea,

3 Feeths in the ovarium.

MANNER.

The following are the principal theories or hypotheses that have been proposed to explain the manner and phoenomena of conception.

A mixture of feminal fluids jointly effused

by the parents.

Hippocrates and other venerable ancients have

favoured this doctrine.

With fome flight diversification, it is ingeniously abetted by the Count de Buffon, who supposes, that, in consequence of the mixture of the seminal matter, which he presumes to abound

with organic molecules or living particles, derived from every part of the bodies of the parents, the new system of stamina is formed; these particles being organized according to determinate laws of attraction, perhaps somewhat like crystallization.

The Coun'r has made many expensive and splendid experiments to illustrate his peculiar ideas; I shall be forry if I have mistaken or distorted

them *.

2 One or more ova or eggs, supposed to be formed and pre-existing in the ovaria, are possessed and impregnated by one or more little animals (homunculi), which abound in the male liquor.

LEWENHOEK, HARVEY, GRAAF, SWAMMER-

DAM, and others, favour this sentiment.

3 The rudiments of the fœtus (germen, ebauche) previously existing in the ovaria, are excited to life, or additional action and evolution, by the male fluid acting as a stimulus.

M. M. VALISNIERI, SPALANZANI, BONNET,

&c. are abettors of this notion +.

Much ambiguity rests on each of these hypotheses.

The first is the most agreeable to the idea of conception, being the instantaneous production of the fœtus, in consequence of sexual commerce.

The second, which presumes the existance of numerous animalcules in the male fluid, to which the ovum, furnished by the female, only affords a nidus or situation favourable to growth, is unsatisfactory; because it explains not the generation of these supposed animalcules.

The third, which is founded on a pre-existing

^{*} HISTOIRE Naturelle, tom. 11. chap. iv.

[†] SPALANZANI's Differtations, already quoted.

germen, labours under the objection stated to the fecond: For the generation of the germen remains

to be explained.

The transference of parental likeness, and even disease, are not sufficiently accounted for, on the supposition that the semen is a mere stimulus, and not a constituent matter.

It is evident that conception is an organizing act; when therefore philosophy is able to account for the aftonishing variety of organization and its effects, we may reasonably expect some satisfactory theory of this important transaction.

NUMBER.

Propher of the old on the benefit chimbers and

range build at the standard

the formation months and the

soled annual cales.

regarded the self-the self-the self-A plurality of fœtuses are frequently conceived at once. The range as to number is from two to five *, the low numbers oftenest occur.

SYMPTOMS OF INSTANT CONCEPTION.

- 1 Convulfive or creeping fenfation in the course of the fallopian tubes and uterus,
- 2 Painful micturition, part to the said and 3 Change of colour about the eyes,
- 4 Lassitude.
- 5 Heart-burn.

These signs are for many reasons fallacious, and are often not observed +. mistar a sa barrar didiculta contaminaci il co

STERILITY. MENERS IN ACCOUNT

Sterility, or barrenness, may be considered as being a theme related to the preceding one.

* HALLERI Physiolog. S. DCCCCXXIX, non raro femina geminos fœtus parit; rarius paulo tres, neque unquam sapra quinque. † PLENCK's Elem. Art. Obft. p. 37.

The causes of barrenness are, SYMPTOMS.

- 1 Mal-formation of the genital organs,
- i b 2 Difeafe, am woman port to amount of cit.
 - 3 Obelity, and a contract over

PREGNANCY.

Pregnancy, gravidity, or atero-gestation, is the existence of the fœtus in the cavity of the uterus.

The complete fœtal fystem is formed in the ovarium, and from thence transmitted by the uterine tubes generally to the cavity of the uterus, there to acquire growth and due maturity to be born.

The fœtus is not always thus transmitted, but remains in the ovaria, in the tubes, or drops into the peritonæal cavity, or belly. It is then named extra-uterine.

Sometimes it takes this last situation after it has been lodged in the tube or uterus, in confequence of rupture. Ward sdr

The confideration of pregnancy may compre-

hend the following particulars:

Symptoms, which have been and o

2 Nutrition of the fœtus,

- 3 Circulation of the blood of the fœtus,
- 4 Excrements of the fœtus,
- 5 Regimen of the mother,
- 6 Term,
 7 Superfectation,
- 8 Monstrosity,
- 9 Mole.

SYMPTOMS.

The careful to bear attending a least of T

s Mulformation of the certifalorene, The symptoms of pregnancy may be viewed in the transfer of the same two stages:

- I Incipient,
- 2 Advanced.

The incipient stage may be supposed to extend through the three or four first months of pregnancy.

During this early period it is not eafily detected. It shews itself by the changes induced

Same bear of the fill of the land and the

guence of suprure.

in

- The whole of the fystem,
- 2 The uterus, 3 The adjoining organs.

stives the notification of The most authentic figns are,

Suppression of the menses, at hand well and

2 Swelling of the breafts,

3 Anorexia, nausea, sickness, or vomiting,

4 Pica, vitiated appetite, or longing,

5 Paleness,

6 Increased weight and volume of the uterus,

7 Ascent, or elevation of the os internum.

The advanced stage, or utero-gestation, from its incipient state, to its termination may be detected with confiderable certainty by attending to

I The figns of the early stage, which become more marked;

2 Swelling of the hypogastrium;

3 Motion in the uterine region, perceived between the fourth and fifth months, called, on this account, the quickening;

4 Explanation or flatness of the navel;

5 Size of the uterus, and its gradual progress; 6 Obliteration of its cervix, and os internum;

7 Emaciation, hence the enlargement of the mouth, &c.

Some of these symptoms are equivocal. Our diagnostic is therefore to be drawn from a concurrence of feveral.

An explication of the aforefaid fymptoms may be drawn from

and A Hall grow a though site decoral for land

1 Suppression of the menses.

2 Diftension of the uterus,

3 Compression of the adjacent organs

The chief diseases with which pregnancy may be confounded, are,

^{*} HALLERI Prim. Lin. & DCCCLXXX. This noble and illustrious Author feems whimfically enough to refer some of the symptoms recited to the absorption of a part of the male fluid become putrid in the cavity of the uterus. His words are, " Varias adlectiones incommo-

[&]quot; das nova mater eo tempore patitur, quas credas effe a reforpto femi-

[&]quot; ne masculino, subputrido et subalcalino. Fere enim ut ovi rancidi " devorata particula, ita a conceptione nausea cietur, etiam potiffimum

[&]quot; carnium, et vomitus, et puftulæ aliquæ erumpunt, dentefve dolent.

[&]quot; Majora incommoda et tumori uteri, viscera abdominis comprimen-

[&]quot; tis tribuo, et retentis mensibus."

48. PUERPERAL PHYSIOLOGY.

emond i Dropfy, all view and to engal will

2 Tympany,

3 Physiconia would said to millioned a

An acquaintance with pathology leads to a pretty certain discrimination between pregnancy and the aforesaid diseases, or any others. Indeed, the advanced stage is scarcely to be mistaken.

The state of the s

weithouse and the house Miles

NUTRITION OF THE FŒTUS.

The fœtus may be nourished by,

1 Swallowing and digesting the liquor amnii;

2 The mother's fluids carried through continous vessels;

3 Absorption performed by the placenta.

The last hypothesis affords a more full solution of phoenomena than the others, and is generally supported by analogy.

The child may live after the liquor amnii is contaminated or discharged.

2 The headless feetus may grow.

3 The child may remain healthy although the mother be confiderably diseased.

4 No continuous vessels have been discovered *.

home eile in protest it in 1227

I lately was requested, by Dr David Spence, to inject the vessels of a woman who had died during parturition. I made use of a solution of glue blended with vermilion, which many eminent anatomists think is better calculated to enter the small vessels than most other compositions usually employed.

Upon careful diffection, it appeared that not a particle of the in-

5 The chick in the egg lives by absorption.

6 All animals after birth live by it.

7 Vegetables fuck their food from the foil and air.

8 The plants called parafitæ draw their food from others to which they adhere in this manner.

It is, however, not improbable, that a finall quantity of the liquor amnii is swallowed from time to time: It may have excellent effects.

The fœtal fystem thus appears to have the faculty to attract or absorb its proper food from the uterus, and to change, elaborate, affimilate, and nutritiously apply it, for it grows with astonishing rapidity, especially during early life +, fo that, by the time of birth, its fize and weight are as before stated.

jected matter had entered the veffels of the placents or umbilical chord; both which I examined attentively. Some clots of it were found between the uterus and the furface of the placenta.

This business has been misrepresented to Dr Monko, because he quotes it as an instance in which the injected matter passed into the placenta, and even the umbilical chord, in a proof of the continuity of veffels, which, he affirms, exist between the mother and setus, and are the channels of its nourishment.

It is furprling that a Gentleman of his superior understanding should so readily credit an unauthenticated narration: It perhaps may be accounted for from the keenness and ambition of system, which are fufficiently powerful to warp the judgment in most instances.

A facred regard for truth is the only motive that makes me advert to this matter at present. I might otherwise remain very well contented with the feeming honour of having succeeded better in the injecting art, than any other anatomist I have ever conversed with, or

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[†] HALLERI Physiology.

CIRCULATION OF THE BLOOD OF THE FŒTUS.

and army salaton, armadousid

In general, the blood circulates through the fætal fystem as through the adult one. The chief peculiarities are,

Rate of motion, especially in the placenta. 2 Transmission through the heart and lungs.

EXCREMENTS OF THE FŒTUS.

The food of the fœtus being confiderably animalized, and confequently proportionably freed from excrementitious matter, while in the mother's veffels, affords but a fmall quantity of,

I Meconium or faces; none is ejected while in health.

2 Urine; perhaps this is wholly contained in the bladder or the urachus, which is not continued to the placenta, or to any allantois or cyst.

3 Sweat or perspirabile matter; this (if any), must be blended with the liquor amnii, which perhaps is itself a fecretion from the surface of the fœtus.

REGIMEN OF THE MOTHER.

The delicacy of the gravid female's fituation obviously requires every attention that the human fruit may duly proceed to maturity. The regimen respects,

- Air a Air
 - 2 Food.
 - 3 Drink,
 - 4 Exercise,
 - 5 Sleep,
 - 6 Passions,
 - 7 Excrements.

TERM. Allow The Von

The shild is carried in the uterus nine folar months, a period equal to thirty-nine weeks, or two hundred and eighty days; this is therefore the term of pregnancy *. A small degree of fluctuation as to this circumstance is observable.

SUPERFŒTATION.

Superfectation is conception during pregnancy.

The possibility of this event is admitted by refpectable authority +: It is said to have three variations; or the superfectus may be in,

1 The fingle and already gravid uterus;

2 The double uterus, previously gravid in one cavity;

3 The uterus, while another fœtus is extrauterine !.

^{*} HALLERI Physiolog. § DCCCCXXVII.——PLENCE'S Elem. Art. Obst. p. 32.

[†] HALLERI Physiolog. § DCCCCXXIX. non dubium est, posse secundum setum concipi dum prior in utero est, &c.

[†] PLENCK's Elem. Art. Obft. p. 90.

Much deception has taken place as to this matter.

MONSTROSITY.

Monstrosity is an unusual conformation of the

fœtus, on this account called a monster.

Lusus naturæ, or deviations from the ordinary structure and arangement, which happily are rare, may consist in,

i Deficiency; no head, no mouth, no ears,

no arms, &c.

2 Redunduncy; two heads, (caput bicepha-) lum) two trunks, (gemini concreti) fupernumerary arms, legs, fingers, toes, &c.*

* LINDSAY OF PITSCOTTIE'S History of Scotland, p. 160, 104. " A bairn was born reckoned to be a man-child; but, from the waste " up, was two fair persons, with all members and portraitures pertain-" ing to two bodies, two heads well-eyed, well-eared, and well-hand-" ed. The two bodies, the one's back was fast to the other's; but, " from the waste down, they were but one personage, and could not know, by the ingine of man, from which of the two bodies the legs " and privy members proceeded. Notwithstanding the King's Majes 46 ty caused take great care and diligence upon the upbringing of two 66 bodies in one personage, caused nourish them, and learn them to " fing and play upon instruments of music; who, within short time " became very ingenious and cunning in the art of music; whereby, " they could play and fing two parts; the one on the treble, and the other on the tenor; which was very dulce and melodious to hear. "The common people, who treated them also, wondered that they " could speak diverse and fundry languages; that is to say, Latin, " French, Italian, Spanish, Dutch, Danish, English, and Irish. Thir " two bodies long continued, to the age of twenty-eight years; and " the one departed long before the other, which was dolorous and " heavy to the other; for which many required of the other to be mer-" ry. He answered, " How can I be merry, that have my true marrow as a dead carrion about my back, which was wont to fing and

3 Obstruction; anus imperforatus, &c.

4 Concretion; webbing, &c.

5 Malformation; harelip, club-feet, &c.

CAUSES.

It is an obvious point, that, till the generation of the perfect animal be accounted for, it must be highly absurd to give any theory respecting monstrosity.

Referring this accident, in any degree, to the working of the mother's imagination, is not only

" play with me. When I was fad, be would give me comfort, and I

" would do the like to him. But now I have nothing but dolour of

" bearing so heavy a burden, dead, cold, and unfavoury, on my back,
" which taketh all earthly pleasure from me in this present life:

which taketh all earthly pleasure from me in this present life:

" Therefore I pray to Almighty God, to deliver me out of this present ilie, that we may be laid and dissolved in the earth, wherefrom we

" came."

"There was a bairn which had both the kinds of male and female, called in our language, a Scarcht; in whom man's nature did pre-

" vail; But because his disposition and portraiture represented a wo-

" man, in a man's house in Linlithgow, he affociated in bedding with

"the goodman's daughter of the house, and made her to conceive a child. Which being devulgate through the country, and the ma-

" trons understanding this damesel deceived on this manner; and be-

" ing offended that the monftrous beaft should fet himself forth as a

" woman, being a very man, they got him accused and convicted in

" judgment, for to be burnt quick for this shameful behaviour."

A tradesman's wise at Robersbridge, in Sussex, was delivered by Mr Noakes, a Surgeon and Man-midwise there, of a child which had two persect heads, sour thighs, sour legs, and sour feet, but with only one body. It is of the semale sex, and from the description we had of it, somewhat resembles a child born at Uchaton, in Flanders, described by Aristotle. Some small signs of life, we hear, were discovered in one of its heads, when first born, but they almost instantly vanished.

ridiculous and whimfical, but pernicious; because it is observable among the brutes, birds, and other orders of animals, and among vegetables; and when credited is productive of much unhappiness.

MOLE.

A mole, (mola) or false conception, is the existence of a rude flesh-like mass in the uterus.

CAUSES.

The mole is perhaps caused by,

I The placenta, &c. of a degenerate fœtus, continuing to grow after the fœtus itself has been destroyed, (Mola simplex);

2 Portions of the placenta or membranes remaining after abortion or delivery, increased in bulk by the coagulable matter of the blood;

3 The coagulable part of the blood alone condensed after hæmorrhage, (Mola spuria).

In whatever way, or by whatever cause produced, the mole acquires the shape of the uterine cavity, and various bulk; and, after perhaps some months retention, is spontaneously expelled.

It is supposed that the mole and feetus may be present in the uterus together; this concurrence is called mole mixta.*.

PARTURITION.

Parturition is the timely expulsion of the fœtus from the uterus.

p

^{*} PLENCE's Elem. Art. Obft. p. 92.

This striking event and its various accidents are the grand objects of midwifery; here, however, they are to be confidered merely in a physiological light.

The view of this operation may be compre-

hended under these heads:

r Previous symptoms,

2 Symptoms of its presence,

3 Caufes,

4 Progress,

5 Management of the mother.

- of the child.

PREVIOUS SYMPTOMS.

Parturition, about to take place, is descerned by,

I An unufual mucous discharge;

2 An irksome sensation about the os internum:

3 Altered shape of the belly;

5 Beginning dilatation of the os internum; 4 Membraneous state

6 Laxity of the vagina and os externum.

These circumstances are a prelude to,

SYMPTOMS OF PRESENT PARTURITION.

Parturition is known to be begun by

1 Pain in the loins and adjacent parts, increafing at intervals;

2 Tenefmus, or pressure downwards, accompanying the pain, and keeping proportion to it;

3 Tension of the belly, and retention of the breath, during the pain;

4 Painfulness about the pelvis when the body

is moved:

5 Defire to void the urine and fæces, even when there is no accumulation.

6 Confiderable dilatation of the os internum, and this increased during a pain, so that the chorion may be felt.

Pains not of this description are called false (dolores spurii). When true and false concur, they are called mixed pains (dolores mixti).

CAUSES.

Parturition very constantly takes place with wonderful exactness after the expiration of the specified term of pregnancy, notwithstanding the very different sizes of mothers and children. A degree of sluctuation, however, is sometimes to be marked *. An anticipation is premature birth (partus præmaturus); a protraction is postmature delivery (partus serotinus) †.

The cause most immediately efficient in exciting parturition is, in general, the extreme distension of the uterus; but, in many cases, this does not feem to exist, and it is difficult to dis-

cover others.

^{*} HALLERI Physiol. § Deceexxvir. Tempus partus nonum solaribus mensibus emensis ingruit, in omnibus animalibus perinde definitum, etsi aliquot septimanas per suas causas, aut accelerari potest, aut retardari, &c.

^{*} PLENCK's Elem. Art. Obft.

The distension acts as a stimulus, resembling that caused by faces in the rectum; in consequence the muscles of respiration, particularly the diaphragm and abdominal ones, are thrown into strong action, which compresses proportionally the uterus, and puts the os internum on the stretch.

This co-operation, or joint effort of these muscles, constitutes and is called a labour-pain or three.

The painful fensation, which occasions the complaining, is the immediate effect of the diftension produced by the muscular contraction.

The contractility of the uterus itself, which is comparatively weak, is perhaps not so efficient in this process as has been commonly supposed *. It does not, by any means, resemble ordinary muscular action.

PROGRESS.

The labour-pains by degrees become more and more frequent and strong, and propel the head, or other part of the child, which may be felt, towards the os internum.

The membranes, especially during a pain, are tense, like a bladder distended with water, and protruded through the os internum, now considerably opened. Unsupported at this point, they are burst asunder, and allow the liquor amnii to

HALLERI Physiolog. § DececexxvIII. Uterus contractili vi fetum constrictus urget, qui Solus etiam absque nixu matris. fetum nonnunquam expellit.

be fuddenly discharged, an event called by the

women the breaking of the waters.

The expulsive efforts are increased for the most part after the rupture of the membranes; because the head, which is the part most commonly presented, is then more closely applied to the os internum.

The head, with its vertex undermost, and the face turned to the side, passes the brim, and when lodged in the pelvis, is said to be in the bones. A shivering sit frequently ensues.

The resistance at the sides, and posterior part of the bottom of the pelvis, compels the head to move about its axis, so that the vertex is pre-

fented to the os externum, while the face is in the facral concavity.

The vertex foon diftends the os externum and perinæum like a great tumour, the anus is dila-

ted, and fæces in the rectum are ejected.

The head is at length born, by the vertex moving forwards and upwards, so that the face emerges from the perinæum as from behind a large valve.

The mother's cries, during this event, are exceedingly strong, expressive of the racking an-

guish she suffers.

The trunk and limbs, in consequence of the

preceding contractions, are foon expelled.

It must be evident, that the child is entirely passive during parturition, or that this process does not depend on its activity; consequently it is as readily performed although the child be dead, as when alive.

A quantity of blood, amounting commmonly to about a pound, is suddenly discharged after the expulsion of the child, which seems to have been gradually poured out from the uterine veffels, during the latter part of the process.

Parturition cannot be regarded as completed, till the after-birth be discharged, because it is a

part of the foetal fystem.

The placenta, somewhat disengaged from the uterus, before the other parts of the child are expelled, is gradually loosened entirely, and thrown off by the pains, the same with those which had acted hitherto.

This expulsion of the placenta is effected with various expedition, most commonly within an hour or two after that of the child; and is succeeded by a discharge of blood, often exceeding the quantity formerly effused.

This hæmorrhage gradually subsides, and for the most part disappears within two or three days. It is termed lochia, and lochial flux, and by the

women the cleanfing.

Parturition is thus commonly completed within twelve hours, a day, or a day and a half. The process is rather tedious, if it be protracted

through two days.

During the fecond or third day after parturition, when the lochial flux has abated, the breafts begin to be more or less painful, hard, and swollen, and sometimes fever (febris lactea) succeeds.

These effects result from the change of the milk-glands, now proceeding rapidly in their proper function,

some flow homograph od to allo re, as immob to

MANAGEMENT OF THE MOTHER.

Parturition, proceeding in the way described, is in every respect an action of health. The accoucheur must not therefore consider the mother as under disease, and imagine that the interserence of art is, strictly speaking, necessary to its successful issue.

It must however be admitted, that a proper plan of management renders the child-bed state not only less irksome, but less dangerous, than it otherwise might be.

The principal circumstances requiring attention are the

- 1 Chamber,
- 2 Bed,
- 3 Drefs,
- 4 Posture,
- 5 Food,
- 6 Drink,
- 7 Temperature,
- 8 Excretions,
- 9 Interference.

CHAMBER.

Tries", astrova

The chamber ought to be large and well aired, at same time capable of being rendered close and warm occasionally.

BED.

A construction of the bed-frame, permitting easily any requisite removal from place to place, is preferable.

The mattrass, covered on its upper side with

oil-cloth, &c. gives obvious advantages.

The bed-clothes light, and tacked together, permit commodiously necessary changes.

DRESS.

The mother's dress ought to be such as favour

1 Temperature,

2 Cleanliness,

3 Removal.

POSTURE.

The posture during delivery may be various:

The fitting attitude, procured by a means of a chair or ftool of fuited constructions *.

2 The kneeling situation.

3 Supine posture, or lying on the back, the breech

projecting over the bed.

4 Lateral position, or resting on the side, while the knees are drawn somewhat upwards, and the

^{*} HEISTER, PLENCE, &c. give drawings of obstetrical stools and chairs.

6: PUERPERAL PHYSIOLOGY.

whole of the body is within the bed, and covered by the bed-cloaths.

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A small quantity of food, light, and of easy digestion, is generally sufficient.

The bed-dirive that and toated to celler

Plentiful draughts of plain, weak, cold drink are highly proper and acceptable, on account of the thirst caused by exertion, screeching, &c.

TEMPERATURE.

The usual temperature may be supported.

EXCRETIONS.

The excretions alluded to are these from

istorification for fa

- The bladder,
- 2 The rectum.

INTERFERENCE.

The aforesaid attentions nearly comprehend the whole of the office of the accoucheur. His interference ought to be as little as possible. Officiousness in the present circumstances is, in the eye of discernment, not only odious, but injurious. After the progress of parturition is ascertained by touching, it is unsuitable conduct to repeat the exploration too often.

The less handling the better.

Moderately supporting the perinæum, when much distended, is not likely to do any harm, although perhaps it is a measure not strictly necessary.

Any drawing by the head of the child, with a view to hasten the delivery of the trunk and legs, is both unnecessary and hurtful. It is sufficient to support and receive the child.

This last remark applies fully to the birth of

the placenta.

It seems to be an unnatural and rigorous meafure, to confine the mother to bed during the child-bearing process; on the contrary, her feelings are soothed by rising up, and even walking.

Compressing the belly by fwathes or bandages, with a view perhaps to favour the contractions, immediately after delivery, does not seem to be demanded by nature: If at all adopted, it ought to be in the slightest degree.

Passiveness on the part of the mother, or abstinence from all motion or exertion, for a considerable time after delivery, is, in every view,

likey to prove falutary *.

AFTER-PAINS

The after-pains, of various acuteness and duration, deserve enquiry, as to

^{*} In the EDINBURON LYING-IN HOSPITAL, the observed coach is fo constructed, that the person lies upon it, for a requisite space of time after the delivery, as if she were in an ordinary bed.

PUERPERAL PHYSIOLOGY.

the mathematic decimal at the

1 Cause,
2 Alleviation.

MANAGEMENT OF THE CHILD.

The new-born child is to be laid in an unconftrained attitude, so that the mouth may be properly exposed to favour the commencing of respiration, a process now indispensible to existence.

The circumstances in the fætal æconomy, which hitherto rendered respiration unnecessary, and the causes of the establishment of this important function, immediately after birth, are points, which, notwithstanding the ingenious labours of physiologists, still admit of much illustration.

Regular breathing begun, which is known by crying, and preceding fighs, attention is necessary

To cost operate, mission acress

- 2 The chord,
- 2 Vifitation,
 - 3 Applications,
 - 4 Drefs,
 - 5 Nurfing.

THE CHORD.

The temporary part of the child's fystem which would without doubt fall off spontaneously, may be separated by securely tying the umbilical chord about an inch or two from the umbilicus, and cutting it a little beyond the ligature †.

The remaining portion of the chord, lapped in fost rag, and reflected along the belly, withers and

falls off in a few days.

The navel, for fome time afterwards, may be covered with a bit of lint spread over with sweet butter or oil *.

VISITATION.

Visitation is a careful inspection of the various parts of the child, particulary the outlets or passages, that, in case of malformation or obstruction, the proper plan of cure may be adopted.

APPLICATIONS.

It is too common to make improper applications to the child, as well externally, as internally, fuch as *spirits* to the fcalp; and *falt*, &c. internally: the last intended to discharge the meconium.

The truth is, that nature feldom needs these; they are therefore violence and injury; for the transition, or changes the child is subjected to, ought to be as gentle and gradual as possible: †

It is fufficient to wash off any filth with tepid water; and even this is not always necessary.

DRESS.

The dress, consisting of few pieces of soft ma-

† PLENCK's Elem. Art. Obst. p. 67. He advises the tying to be made five or fix inches from the navel.

[•] In one case after the dead portion of the chord separated, a hormorrhage ensued, which it was scarcely possible to stay; indeed it produced stal effects.

[†] GREGORY'S Comparative View.

terials, sufficient to insure due warmth, ought to give no unnecessary constraint or pressure, and to be put on with the utmost caution and tenderness.

NURSING.

The first food for the infant is the mother's milk, which may be given as soon as possible: This measure is equally advantageous to both.

If necessity deprive the child of the natural support that ought to be afforded by the mother,

a proper nurse must be proposed.

The chief requifites in a nurse are,

youth, 2 Health,

3 proper breafts and nipples,

4 Plentiful secretion,

5 Watchfulness.

The milk of the cow, &c. may be fustituted inflead of human milk, when circumstances demand it; or mild compositions of the animal kind, viz. infusion of beef, &c. in water, with an admixture of fine bread

Any of these may be administered in small quantities at one time, and repeated at suitable intervals.

The rearing of infants without suckling, or by the spoon, as it is commonly called, as far as my observation extends, has been very unsuccessful in this country: A great proportion of them perishes: Indeed, such a violent deviation from the line of nature cannot take place with impunity. The fuckling term is in general two much abridged, in opposition to the falutary and general

principle mentioned above.

The weaning (ablactatio) in conformity to the aforesaid doctrine, ought to be a gradual, not a sudden business, so that the degestive organs may be accustomed to retain and affimilate matters much less animalized than these which they had hitherto chiefly acted on.

Want of attention to this maxim every day occasions the destruction of thousands of children.

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III. PUERPERAL PATHOLOGY.

RECEAL PARHOLOGY

PUERPERAL PATHOLOGY includes the history and cure of every symptom connected with the child bed-state, that partakes of a morbid nature, or can be regarded as disease.

KINDS OF PARTURITION.

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Parturition is

- 1 Ordinary,
- 2 Extraordinary.

This last is subdivided into

- I Lingering,
- 2 Præternatural.

ORDINARY PARTURITION.

Parturition is ordinary * when the vertex of the child is prefented, and the process expeditiously and happily completed.

This being altogether a healthful operation, its confideration is properly a fubject of physiology.

EXTRAORDINARY PARTURITION.

Parturition is extraordinary, † when there oc-

letelle got region better

Synonymes-natural, common labour or travail.

[†] Synonymes-dystocia, atocia, partus difficilis, uncommon, non-natural, difficult labour or birth.

curs any remarkable deviation from the ordinary kind.

LINGERING PARTURITION.

Parturition is lingering when the process is unusually protracted, although the child's vertex be prefented as in ordinary labour *.

CAUSES.

Before any rational attempts can be directed to obviate the lingering, an attentive enquiry must be made into its causes. The most confiderable of them are.

ON THE PART OF THE MOTHER,

- 1 Distortion.
- 2 Regidity,
- 3 Obliquity,
- 4 Ceffation,
- 5 Sarcoma, 6 Dropfy,

- & Inflammation,
- 9 Spalm, fon de brand at blide vil
 - 10 Corpulence
- 11 Hysterocele,
 - 12 Deformity,
 - 13 Debility.

ON THE PART OF THE CHILD.

- 14 Monstrosity,
- 15 Swelling,
- 16 Membranes,
- 17 Chord.

^{*} Synonymes-laborious, non-natural birth. See SMELLIF, OSBORK,

These causes require the most accurate investigation, that, by a judicious and folid practice, they may, as much as possible, be removed, and their effects obviated.

Some of these are exceedingly formidable, and place the accoucheur in the most critical and try-

ing fituation.

ON THE PART OF THE MOTHER.

DISTORTION.

Distortion is any deformity of the bones of the pelvis, whereby their usual or standard dimenfions are impaired.

Diffortion may be confidered as to

- 1 Symptoms,
- 2 Causes,
- 3 Manner,
- 4 Degree,
- 5 Effect,
- 6 Practice.

SYMPTOMS.

1 Deformity of the spine or limbs.

2 Detention of the child's head at the brim of the pelvis, after a continuance of strong pains.

3 The state of the scalp of the child. It is fwelled proportionally and gives the fugar-loaf and mould-shot head.

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3 Narrowness, discovered by touching, or meafuring internally and externally, by

I The hand,

2 A simple scale *,

3 A pelvimeter †.

CAUSES.

1 Rickets,

2 Rheumatism.

MANNER.

The brim is most frequently impaired in its short diameter by the promontory of the os facrum, or the ossa pubis, or both, projecting unusually towards the axis.

At the bottom, it is altered in one or both diameters, by the mutual intrusion of the opposite points.

DEGREE.

The degree of distortion, or quantity of the loss of capacity is various. In some instances,

* I have marked a scale of inches and parts on the semale catheter, to measure the short diameter; by this means the instrument answers a double purpose.

† M. COUTELAY, of Paris, invented an internal pelvimeter, to meafure the short diameter. Seehis table.

De Stein, of Heffe-Caffel, has conftructed an external pelvimeter.

I have devised a very simple one, calculated for the internal and external measurement, in every way, and with all possible ease and accuracy. not an inch of the short diameter has been left. It can only be precisely known by the pelvimeter, an instrument consequently of the greatest utility.

EFFECT.

Labour proportionally lingering is a necessary effect of every degree of distortion.

The transmission of a full-sized living child becomes impracticable, after the short diameter is reduced below three inches †.

An inch and an half of short diameter is a space barely compatible with piece-meal extraction, by the most dexterous use of instruments 1.

PRACTICE.

The practice, or affistance during lingering birth, from distortion, must be judiciously accommodated to circumstances, after the most scrupulous examination.

While delivery of the living child is possible, no interference incompatible with this event is admissible. Indeed, no assistance whatever is to be administered till the pains have had a full exertion; they are often unexpectedly successful.

[.] Effays and Cases in Surgery, which I lately published.

[†] I am willing to fix the point of impossible transmission as low as may be. One somewhat higher has been assigned: "La diametere qui "traverse la tete d'un ensant a sa naissance a pour le moin trois pouces un "quart." See Alphonse du Roi, Recherches sur la Scélion du Pubis.

t OSBORN on Laborious Parturition.

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When the expulsive power is evidently unequal to delivery, cautious attempts may be made to promote the passage of the head, by

- 1 The hands,
- 2 The lever,
- 3 The forceps.

THE HANDS.

The hands may be alternately introduced to attempt to move the head, wedged in the brim, from fide to fide, with a view to change the point of refistance.

THE LEVER.

The vectis or lever, is ill-named; for it refembles the hand more than a proper lever: It is

- 1 Common or rigid*,
- 2 Living or flexible.

It may be alternately applied to opposite points, or its effect may be furthered by the hand.

- The common lever feems to have been first introduced by Roon-
- † The living lever is so contrived, that it becomes straight to favour occasionally its introduction, It then resumes a curvature exactly proportioned to the convexity of the part of the child on which it is applied; in consequence, its pressure is more diffused and less injurious.

THE FORCEPS.

The forceps is an instrument resembling a pair of hands, calculated to comprehend the child's head, and urge it safely along; which it does to most advantage when the head is so advanced that the sace is in the sacral cavity.

INTRODUCTION OF THE LEVER AND FORCEPS.

The lever, and forceps are introduced precifely

in the same way.

The lever or the blade of the forceps, after being gently heated by tepid water or otherwife, and done over with fine fweet oil, butter, or pomatum, is guided along the hand, (which being previously introduced ferves as a conductor), with its concavity towards the axis of the pelvis, till it be certainly in contact with the head, or other

* HIPPOCRATES mentions a forceps for extracting the dead child.

ALBUCASIS describes one for delivering the living child.

CHAMBERLAIN is the first modern who introduced the instrument into general use.

SMELLIE improved the form of it.

LEVRET gave it a lateral curvature somewhat suited to that of the axes of the pelvis.

LEAK added a third blade. See his introductory Lecture.

I have improved the manner of locking or connecting the blades, fo as to prevent the possibility of catching and wounding the mother's parts, or bruising unduly the child.

I have likewife conftructed this inftrument on the principle of the living lever, and of course it is named living forceps; an improvement in many situations highly important. part to which it should be applied, so as to include no part of the mother, and securely maintain its hold.

The exertion, or drawing with these instruments, is fitly made in the direction of the inferior axis of the pelvis; at first it is to be very gentle, and repeated at intervals, so as to imitate the pains.

The lever is exceedingly powerful, and at fame time more extensively applicable than the forceps; for it may be used in every point of pro-

gress.

The aforesaid instruments, however artfully and judiciously constructed, and cautiously managed, always do some injury; they are never,

therefore, to be used without necessity.

The supine posture of the mother, her breech projected a little over the bed's edge, and the accoucheur seated before, on a low chair, is a dispofition the most favourable to a free use of these instruments.

If the diffortion be discovered to be so great as to render the transmission of a living child impossible, recourse must be had to one or other of these operations.

- 1 Pelvitomy,
- 2 Embryotomy,
- 3 Hysterotomy,
- 4 Gastrotomy.

PELVITOMY.

Pelvitomy, (Pelvitomia,) is the cutting of the

at a state to the best a best and the

fymphysis pubis, with a defign to increase the capacity of the pelvis, by permitting the anterior extremities of the offa innominata to recede from one another.

This operation may be confidered as to,

- r Purpofe.
- 2 Indication,
- 3 Manner,
- 4 Objections,

PURPOSE.

Whit become

The purpose of pelvitomy is the preservation of the child; it ought therefore never to be practifed when this is impossible:

Much previous attention is necessary to the

- I State of the child,
- 2 Degree of distortion.

* Synonymes - Sectio fymphylis pubis, fynchondrotomia, figaultian, operation, &c.

It was invented by M. SIGAULT of Paris, and successfully performed in 1777.

The offa innominatos, at their anterior extremities, were feparated fomewhat more than two inches and an half, and a living child was transmitted through a pelvis, of which the floor diameter was only two inches and an half; the recovery was happy.

Since the above period, the figuration fection has been performed nearly thirty times with various fuccess.

The latest instance was in August last at Paris—The operator was M. DE MATHUS. See London Medical Journal, vol. v. No iii.

INDICATION.

This operation is indicated, and likely to fucceed, when about half an inch of addition to the fhort chamber is fufficient to allow the transmiftion of the child.

Performing it when a greater addition is neceffary brings difgrace on the operation, which plainly appears to be incapable to superfede embryotomy in all instances, much less the Cæsarean section.

MANNER.

The mother, placed in the supine attitude, the manner is this:

A longitudinal incision is made through the integuments and linea alba, extending from a point about four inches above the symphysis pubis, nearly to the orifice of the urethera, carefully avoiding the peritonæum. This permits the seperation of the bones.

The cartilage, or symphysis, is next carefully divided, so as not to wound the bladder and urethra.

If the urgency of the pains be insufficient to produce a due separation of the bones, the thighs are drawn asunder till this take place, that the delivery may be completed.

The proper treatment of the wound is a cir-

cumstance of great importance.

OBJECTIONS.

The principal objections to pelvitomy, are,
1 That the cartilages may happen to be offified *.

^{*} A flexible faw, which I have contrived to be used when there is efficiention, infallibly removes this objection.

2 That the neck of the bladder may be wounded +.

3 That the space gained may not be sufficient,

in a narrow pelvis, to permit parturition.

4 That the union of the cartilages may not take place.

5 That the internal posterior ligaments may

be torn afunder t.

6 That the cellular connection between the bones and foft included parts, must be much diffurbed or destroyed.

7 That the admission of the air, to parts not calculated to resist its impression, may be highly

dangerous.

8 That the foft parts may be so compressed betwixt the child and the margins of the divided bones, as to cause dangerous consequences.

o That there is, after all, but a small probabili-

ty of faving the child *.

EMBRYOTOMY.

Embryotomy, (Embryotomia, Embryulcia) is diminishing the child's fize by incision, that it may be transmitted through the distorted plevis.

This operation is named,

I Excerebration, (excerebratio, cephalotomia) when it lessens the head by extracting the brain;

2 Evisceration, (evisceratio), when it diminishes

[†] I have invented a flexible knife, which cuts from within, outwards, and therefore obviates this objection.

I LEAK's difeafes of women.

MICHEL's fynchendrotomia, p. 201. This author has treated his subject very fully.

^{*} Osborn's laborious parturition.

PUERPERAL PATHOLOGY,

the trunk, by discharging the contents of the breast and belly.

The former, which is most frequently performed, may be considered as to,

- 1 Indication,
 - 2 Manner,
 - 3 Instruments.

INDICATION.

the scanner and from a record below for the

It is indicated when the distortion is so great as to render the passage of the child impossible by the methods already described, so as to save the mother's life, which is comparatively the most valuable.

It ought not to be too long postponed, when

this circumstance is ascertained.

On the other hand, it is clearly not to be attempted, if the contraction exist to such a degree as to render the extracting of the child impracticable: Any space less than one inch and an half of short diameter, the breadth of the basis of the child's skull, has this effect *.

MANNER.

An incision or perforation, is made into the

. The Part of Forting to the Fort

^{*}Osborn's laborious parturition. He feems to fet by far two low a price on the unborn child. I am afraid lest the specious arguments of this ingenious author should induce practitioners to recur to excerebration without proper warrant.

most accessible part of the child's head, of sufficient fize to permit the brain to be broken down and discharged through it.

The head necessarily shrinks in consequence of the evacuation of the skull, so that sometimes the child is soon afterwards expelled by the pains: If not, it is to be extracted.

INSTRUMENTS.

Embryotomy instruments, calculated for excerebration, are,

- 1 Perforating,
- 2 Extracting,
- 3 Perforating-and-extracting.

PERFORATING.

- I ALBUCASIS' two formæ fpatumiles,
- 2 MAURICEAU's perforator,
- 3 Ould's terebra occulta,
- 4 SIMPSON's ring-scalpel,
- 5 SMELLIE's sciffars,
- 6 DENMAN's perforator,
- 7 Embryotomy knife,
- 8 Finger-scalpel.

10

יום-

EXTRACTING.

- 1 ALBUCASIS' forma uncina fimplex,
- 2 PARE's pes gryphii,
- 3 PARE's forceps longa and terfa,
- 4 Straight-hook or crotchet, (uncus),

PUERPERAL PATHOLOGY.

s Blunt-hook,

6 Flexible blunt-hook,

7 MAYNARD's crotchet,

8 MAURICEAU'S tire-tete,

9 PLENCK's toothed forceps,

1 10 Levrer's extractor,

11 Sciffar-forceps,

13 Double forceps,

14 Lithotomy-forceps.

12 Flexible crotchet,

PERFORATING-AND-EXTRACTING.

I ALBUCASIS' almifdach,

2 ALBUCASIS' mifdach,

3 ALBUCASIS' forfex,

4 PARE's extractor, or pes gryphii,

5 Burton's extracting terebra,

6 Scissar-forceps.

In general DENMAN's perforator and MAY-NARD's crotchet are sufficient. In proportion to the narrowness of the pelvis, the others become necessary.

When the pelvis is known to be distorted, so as to render the birth of a living child, impossible, is it not lawful and proper to prevent the dangers of embryotomy, by inducing early abortion?

HYSTEROTOMY

Hysterotomy, or the Cæsarean operation, or hypogastric section, is the extraction of the child through an incision of the uterus.

This operation may be confidered as to

Indication, was a series of

2 Manner.

INDICATION.

Hysterotomy is indicated when

The pelvis is too much contracted to admit of delivery by the explained methods;

2 The mother, near the time of delivery, dies fuddenly, and the child furvives;

3 Hysterocele is present;

4 The vagina is absent, or situated above the os pubis *.

MANNER.

A longitudinal incision, beginning about two inches above the umbilicus, and ending at a like distance from the offa pubis, is made either in the linea alba, or a little to one side of it, so that the abdomen may be opened without wounding any of the contents.

Another one, coinciding with the direction of the first, is carried through the middle of the anterior part of the body of the uterus, of sufficient extent to permit the extraction of the child.

The wound of the abdominal containing parts is closed, and the lips of it joined in mutual contact, by a combination of the twisted and dry futures †.

^{*} PLENCK's Elem. Art. Obft.

[†] AITKEN's Elements of Physic and Surgery, vol. ii. Caftroraphy.

This formidable operation, intended to fave mother and child, has been performed during many centuries, with various fuccess t.

In Britain it has never fully had the defired

effect, all the mothers having died ||.

Is it not practicable to superfede embryotomy and hysterotomy almost always by a pelvitomia nova? viz.

Four incisions, two reaching to the offa pubis, as near the crural vessels as safely may be, so that the one may be distant from the other about four inches; and two corresponding to and touching the joinings of the offa pubis and ischiorum.

The bones, brought in view by these incisions, are divided by the flexible saw, without wound-

ing the peritonæum, bladder, or vagina.

Thus the anterior fegment of the pelvis becomes moveable, and yields to the pressure of the child, so as to permit delivery.

If due attention be paid to the wound, the healing may take place in such fort, that sufficient capacity of the pelvis may be preserved *.

† MICHEL Synchondrotomia, p. 214. This author gives an extenfive history of hysterotomia.

OSBORN'S Laborious Parturition, p. 241. This fensible writer enters into a short speculation regarding the merits of the Casarean operation.

Would performing it while the parts are immerfed in tepid water, by fecluding the air, tend to diminish its fatal effects?

I faw it performed in the Royal Infirmary of this city. The unhappy wichim died about twenty-four hours afterwards. I have been informed that a sufficient indication was wanting.

* I am just now employed in trying the effect of this operation on brutes.

GASTROTOMY.

Gastrotomy (Gastrotomia) is the incision of the abdominal containing parts, to allow the transmission of the child.

INDICATION.

Gastrotomy is proper when

1 The child falls from the uterus, through a laceration, into the belly;

A Characan and so to pole of visual tong at a long of a con-

2 The child is extra-uterine +.

2. RIGIDITY.

Rigidity is an undue resistance of the os internum or externum, or both, retarding delivery.

This rigid state is chiefly to be found in the elderly female in child-bed for the first time.

It is discovered fully by attentive touching.

REMEDIES.

This affection for the most part gradually gives way to the continued pressure or pains. Some diminution may be obtained by

+ PLENCK's Elem. Art. Obft.

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Blood-letting, when the mother is vigorous;

2 Opium,---ol. anodynum, 3 Emolients,---oil, tepid water, &c. locally;

4 The hand, acting as a speculum uterit;

5 Incision |.

3. OBLIQUITY.

Obliquity (Hysteroloxia) refers to the position of the uterus, especially the os internum, with respect to the pelvis.

Such a degree of obliquity as is capable to

give lingering labour feldom exists.

It is most likely to take place in a forward direction, the fundus hanging pendulous over the ossa pubis, so as to receive the action of the expelling muscles unfavourably.

REMEDY.

Pressing the fundus into its proper situation as much as may be, and supporting it by sannel swathes, seem to be all the remedy this case admits of.

PLENCK's Elem. Art. Obst.—A remarkable case of rigidity, or narrowness of the os exteruum, yielded without any extraordinary application.

[†] The speculum matricis of the ancients, particularly the vertigo Alhucasis, seem to have been partly intended for this purpose.

[|] SMELLIE's Cafes.

4 CESSATION.

Ceffation, or want of pains, is not unfrequently the cause of lingering parturition. A careful investigation is necessary to discover it to be the sole one or not.

CAUSES.

It may flow from want of

- r Stimulus,
- 2 Strength.

REMEDIES.

When ceffation depends on the first cause, in consequence of a change of the state of the child, or os internum, the pains spontaneously return; they may, if necessary, be promoted by

- 1 Dilatation,
- 2 Stimulant injections.

When failure of the expulsive power is discovered to be the effect of lengthened fatigue (the pulse and the complexion are the surest marks of this), we must administer

- 1 Nourishing food,
- 2 Cordials.

5 SARCOMA

Sarcoma is a flesh-like mass, which, under the name of polypus, sometimes obstructs the vagina, and gives retarded labour.

Polypus is easily discovered, and must be removed, as afterwards taught *.

6 DROPSY.

Abdominal Dropfy fometimes exists with pregnancy and proportionally gives lingering delivery.

PRACTICE.

After careful enquiry into circumstances, the fluid may be discharged *.

7 DISTENSION.

Diftenfion refers to the state of the bladder and rectum; for these organs, when overcharged, occupy more than due space, and proportionally retard delivery.

[.] Systematic Elements of Surgery.

According to circumstances, distension requires

- I Injections,
- 2 Catheterism.

8 INFLAMMATION.

Inflammation of the parts immediately affected by parturition necessarily makes it more lingering and painful than otherwise it would be.

PRACTICE.

The fuitable remedies to remove, or affuage the inflammation, must be diligently employed, as afterwards explained.

9 SPASM.

Convultive *spafmodic* and crampish affections, whether general, or affecting particular parts, proportionally lengthen the time of delivery.

A full enquiry into causes leads to a judicious application of antispasmodics, as mentioned hereafter.

10 CORPULENCE.

Corpulence in a high degree renders the individual unfit for great exertions, and, as a swelling, occupying space, contributes to lengthen out the child-bed process.

HYSTEROCELE.

Hysterocele, considered as a cause of lingering birth, is hernia, or rupture, condensing the gravid uterus.

PRACTICE.

Hysterocele is mentioned as requiring hysterotomy.

12 DEFORMITY.

Deformity of the vagina or os externum, especially as to place or capacity, is a cause of lingering child-bearing.

Deformity may require,

1 Dilatation by
The hand,
The knife.
2 Hysterotomy.

The vagina communicating with the rectume gives the partus per anum.

.authoracout in

13 DEBILITY.

Debility, in a high degree approaching to death, necessarily suspends parturition.

CAUSES.

It may be occasioned by
1 Flooding,
2 Mortification.

PRACTICE.

Delivery may be completed as taught, if practicable.

The death of the mother happening before delivery can be effected, and the child furviving, afford an indication for hysterotomy.

ON THE PART OF THE CHILD.

14 SWELLING.

Swelling of any part of the child proportional-

ly impedes the transmission.

The fwelling principally alluded to is local dropfy; indeed, no other has been observed to have the effect mentioned.

ives the nerver the amon.

This disease is,

- 1 Hydrocephalus,
- 2 Ascites.

HYDROCEPHALUS.

Hydrocephalus, or dropfy of the head, the most common kind is,

- 1 External, or between the scalp and skull;
- 2 Internal, or in the ventricles of the brain *.

SYMPTOMS.

The head is known to be thus affected, by

- 1 Softness,
- 2 Size, ascertained by the cephalometer +.

to look and amount fool

WHYTE on Hydrocephalus.

[†] STEIN'S Opera. This ingenious author calls the instrument labimeter. I have taken the liberty to call it cephalometer, as being expressive of its use.

We are, in the first instance, always to prefume that the swelling is external, and, with the finger-scalpel, make an incision cautiously through the scalp only; because, when it is really so, the child will thus be preserved.

If it afterwards appear that the fluid is in the brain, embryotomy is requisite; the embryoto-

my knife may be employed.

ASCITES.

Ascites, or dropfy of the belly, causing delay of delivery, is discovered by the impartion, when the upper parts of the trunk are born.

A perforation is made by means of a proper trocar; perhaps it may be most safely passed within the chest, so as to pierce the diaphgragm.

15 MEMBRANES.

teriorisi toutiffe of butto by ad a

The membranes uncommonly dense tend to protract the labour.

PRACTICE.

This circumstance, easily discovered, is at once obviated by puncturing the most accessible part of them by the finger-scalpel.

16 CHORD.

The umbilical chord, shortened by entanglement or twisting, protracts the time of delivery.

It has this effect only when the head is in the vagina, or born.

PRACTICE. of the card out

While the head is in the vagina, this impediment cannot be removed; but as foon as the head is born, the portion furrounding the neck may be cut afunder, by which the refistance is removed.

MONSTROSITY.

Monstrosty may so increase the volume of the feetus as to render delivery tedious.

This occurrence is discovered by touching.

PRACTICE.

Extraction by the crotchet, or obstetricium bamatile, may be resorted to without much regret.

:这项MEMERSES:

PRETERNATURAL PARTURITION.

Parturition is preternatural when any part except the vertex of the child is presented.

This interesting kind of labour may be consi-

Manda Remote auf

dered, as to

- 1 Caufes,
- 2 Signs,
- 3 Remedy,
 - 4 Varieties.

CAUSES

The preternatural fituations would feem to take place at an early period; their chief causes perhaps are,

1 Quantity of the liquor amnii,

2 Agitation on the part of the mother,

3 Motion of the child.

SIGNS.

The presence of this labour is discovered by,

1 Duration,

2 Touching,

3 Inspection.

REMEDY.

The remedy is rectifying the faulty position, fo as to render delivery possible, or less difficult. This consists in what is called,

TURNING.

Turning is the rectification of posture alluded to as a remedy. It is,

1 Complete,

2 Partial.

COMPLETE TURNING.

Complete turning is inverting more or less the child's fituation, so as to cause the foot or feet

present; or, in other words, it is rendering the presentation footling *.

This important operation merits full attention

as to,

- 1 Attitude,
- 2 Manner
- 3 Impediments.

ATTITUDE.

The direction of the axis of the pelvis and uterus, with both which the hand and arm of the operator ought to coincide, points out the proper attitude of the mother. It may be various:

- 1 Supine,
- 2 Lateral,
- 3 Kneeling and resting on the elbows

4 Standing and stooping.

The attitude of the operator is regulated by that of the mother.

MANNER.

The operator, properly fituated, forms his hand, done over with fine oil, &c. as much as may be, into a conical shape; and in the most delicate manner introduces it into the uterus to such a degree, as enables him to lay hold of one foot, or both, to be drawn into the vagina.

^{*} PLENCE Elem. Art. Obst. Versio sætus est artificiosa manipulatio, qua situs sætus, pro partu ineptus, ope manus obstetricatoris mutatur, ut sætus pedibus ex uteri cavo extrahatur. P. 159.

The delivery is completed by drawing gently, in a just direction, imitating the pains and cooperating with them as much as may be; at fame time accommodating artfully the fituation of the child to the form of the pelvis, in its different points.

IMPEDIMENTS.

The principal impediments confift in,

- The fooding desired off r Undilatedness, same liste a nesso on
- off co a Impaction,
- they 1.3 Searching, and a policy hard
- 4 Delivering.

UNDILATEDNESS.

Sufficient dilatation is procured by,

- r The hand,
- 2 Emollients.

IMPACTION.

Impaction or inclavation is superfeded by performing the operation before all of the liquor amnii has run off, and furmounted by cautious and perfevering preffure upwards in a just direction.

SEARCHING.

The child's feet are most likely to be placed laterally as to the uterus, therefore are most conveniently fought for and intercepted by the hand of the operator, which corresponds to the side of the mother, to which they are turned, a circum-

The first may be focused by a moofe or lac, while

the other is fought foruit a printe more one

Delivering, although less properly, may be completed by drawing by one foot and leg, till the breech be within reach.

TMREDIMENTS.

DELIVERING.

The footling delivery is always a critical, and too often a fatal event to the child.

Successful extraction very much depends on the head taking the proper turns to enter and pass

through the pelvis.

The face ought to be turned towards the mother's fide when it enters the brim, and lodged in the cavity of the os facrum when it is in the pelvis, and approaching to its bottom.

Thechin emerges from the distended perinæum by a forward and upward motion like that of the

vertex in ordinary parturition.

The face turned to the pubes of the mother is apt to be stopped by the chin catching on the offa pubis.

This circumstance is obviated by turning the child's trunk in the pelvis about its own

axis.

The rigid and undilated condition of the os externum, often creates much and dangerous re-

fistence and delay.

The umbilical chord being compressed, soon produces fatal consequences; the extraction is therefore to be completed with as much expedition as is consistent with safety; by

ont moving the trunk of the child in any ereat The hand.

Lever efpecially the living one, which completely supersedes the fillets, nets, &c. that have been proposed that a battern of white over the da

3 The forceps; the living ones are preferable. This refiftence is for the most part made by

negations, which respect the widerest being the transfer

the head oding and footling method line and to

I Not entering the pelvis,

2 Not turning at its bottom,

oning and another the os externum.

It may be diminished by extracting the arms, one of which is fometimes wedged betwixt it

and the os pubis.

Dexterity is of much more avail than force; the drawing ought to be gentle at first, and increafed according to circumstances, and always in a just direction, with full attention to the relative posture and figure of the head and pelvis.

Unfortunately, attempts to extract often kill the child, and sometime separate the trunk from the head remaining in the uterus or vagina; an event which often indicates excerebration.

The flexible crotchet may be of excellent use.

PARTIAL TURNING.

Partial turning is altering the fituation of the presenting part, so as to place it more favourably, or substituting an adjacent one in its place, with-

BORTON, AMYAND, &c. have exerted their genius in fuch inventions.

out moving the trunk of the child in any great degree.

This operation, much less dangerous, and often not less practicable than full turning, ought therefore justly to superfede it as often as may be.

Partial turning was the favourite practice of the ancients, and is perhaps too much postponed to the full turning and footling method of the moderns.

. I Not entering the pelvis. VARIETIES THE WASHELL BUT

The varieties are as the presentations; the principal are of, of table and a very at

and the os come.

Devictive is of mode

Union value atter the child and lome

The face, women in the in the in such

2 The hand,

3 The hands.

4 The shoulder, dor said and and said created according to dir

5 The foot,
6 The feet,
7 The breech,

8 The chord.

The form of the child, compared with that of the uterine cavity, necessarily prevents the back and belly from prefenting.

THE FACE.

Face-presentation, commonly called Face-case, is the flightest deviation from ordinary parturition.

This variety is compatible with spontaneous delivery, not however with impunity to the child.

Partial turning, that the vertex may be pre-

fented, is clearly indicated. Island .

The living lever is the fittest instrument, because it is manageable in comparatively a small

space.

While the lever acts on the occiput, vertex, or front, the fingers support the chin, so as to make it the center of motion to the head.

The case being thus rendered ordinary, no farther instrumentary operation is necessary.

Linisis a great and many aucunt; becaute, if inocclub, the take of committee rurning of avoided; and although it fall, it is not, when

properly conducted an any great degree injuri-THE HAND.

Whose pareled curtains is found to During hand-refentation, the child's head is necessarily turned to one side of the os internum.

In general, it may be affirmed, that this prefentation does not permit unaffifted parturition. Indeed it has lately been observed, that a spontaneous evolution fometimes happens, fo that the breech is presented, and delivery completed.

This event is scarcely to be expected, for the most obvious reasons, and not to be wished, because the children thus expelled have all been

dead . It will be softenessed on tox led I want a line was were

Dr DENMAN first observed this circumstance, which he calls a spontaneous evolution. Instances of the same kind have been marked by

ALL LIMITING

PRACTICE.

Delivery may be effected by

Complete turning.

The latter is to be first attempted, by it shows

The Living to a series of the County and the County of the

ipace.

The hand, which ravel ad all dvi

of a of 2 The living lever, regular and though to

3 The impellens to the state of the state of

The child's hand may thus be returned, and

the vertex prefented.

This is a grand and manly attempt; because, if successful, the risks of complete turning are avoided; and although it fail, it is not, when properly conducted, in any great degree injurious.

When partial turning is found to be impracticable, the complete kind becomes indispensible, at least if we wish to save the child.

Dr Cogan of London, Dr Harn of Lifbon, and Mr Haw furgeon of Leeds. See London Medical Journal.

in general, it may be affirmed, that

An inflance of a fimilar nature occurred last summer in the Edinburgh lying-in hospital. At least, a child presenting the arm was delivered without affistance. The numerous young gentlemen, pupils of the hospital, who were present, all agreed in this circumstance.

When called, I was so engaged with another obstetrical case, that half an hour had elapsed before I arrived at the hospital, and the delivery was over, so that I had not an opportunity to see the mode of the evolution.

A small addition to the handle of the sever converts it into an im
*pellens, by which the presenting part may be pushed effectually and
fasely upwards.

THE HANDS.

Both hands are feldom presented.

PRACTICE.

One or both are to be returned, and, if needful, the position of the vertex adjusted by partial turning.

Freitzenbn of the Key we are artende pondery

in general admiring of even preminted as dell-THE SHOULDER.

Shoulder-presentation is only a greater degree of hand-presentation; in both the head is turned to one of the fides of the pelvis.

PRACTICE.

con adverted to.

The plan of delivery already mentioned is to be purfued, notwithstanding opposite authority*.

THE FOOT.

Presentation of the foot, carefully to be distinguished from that of the hand, is capable of spontaneous delivery. Hereits mittingly of are kittle kills

a The Evine lover,

PARE Opera Chirurgica, lib. xxiii. cap. 33. SMELLIE's Midwifery, vol. i. p. 340, &c. PLENCE Elem. Art. Obft. p. 152.

YOU PUERPERAL PATHOLOGY.

PRACTICE

When affiltance is indicated, it is eafily afforded.

Area in Land Lander of the first one of the control of the control of the PRET loss of the control of the contr

Presentation of the feet is an attitude readily in general admitting of even spontaneous delivery.

PRACTICE.

The manner of extracting the footling birth has already been adverted to.

THE BREECH.

. Transport the strong of the till room that he

Breech-presentation may be mistaken for the presentation of the head.

PRACTICE.

The impaction attending this presentation is very great, and therefore the transmission suceeeding it is promoted by

' I The fingers, and and residence of the same of the

2 The living lever,

FUERPERAL PATHOLOGY.

3 The living forceps,
4 The flexible blunt hook,

5 The common blunt hook and E

The common blunt hook is a dangerous inftrument, always bruifing the foft parts, and fometimes fracturing or diffocating the thigh bones; its ufe ought therefore to be restricted to extraction of the dead child.

Presentations of the feet and breech, on account of their being deliverable by the pains, have been reckoned ordinary and natural.

Placenta prefentation (placenta pravia) takes a pired when it happens to athere, to the cirkum-

THE CHORD.

The umbilical chord falling down before the other parts, especially the head of the child, is fubjected to preffure, by which the circulation of the blood is interrupted, and danger produced.

PRACTICE.

This event does not feem to require the very doubtful practice of full turning, which has been generally recommended ...

The chord may be pushed beyond the head, and confequently freed from compression, by

Dr SMELLIE recommends this conduct, in the most explicit terms, in his Midwifery, vol. 1. p. 351.

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The fingers, apportol guiell sally

2 The living lever , steam of

3 The hand, mand monicos ad I

Suppose the hand introduced for the purpose of full turning, is it not in the power of the operator to replace the chord with it?

ought therefore to be beliefled to extradition o

the dead could. . ALLA

odasi ased soat

te describer buch

Presentations of the liter and

THE PLACENTA.

Placenta-presentation (placenta prævia) takes place when it happens to adhere to the circumference of the os internum.

The unbolical chore

other parts, especially the slandod r ? could be

lubjected to preserve specificant dance produ-

PRACTICE.

The delivery is requifite as foon as may be, to

check the hæmorrhage.

The hand is forced beyond the placenta, and the extraction made according to fituation of the body, by

I have made a groove in the edge of the point of the lever, to retain and carry along the chord with certainty. The influment thee fitted I call a reduffor.

PUERPERAL PATHOLOGY. 107

fanoisti v de ent.

Freient

- 1 The lever,
- 2 Forceps,
 - 3 Turning.

COMBINATION.

There is a combination of the lingering and preternatural births.

del to or or PRACTICE.

a Numericus mations, and in various point:

After full investigation, the case is analyzed, and the faulty circumstances successively corrected by the specified methods.

The gloral birds in differentied build com-

It feems to be in place to make remarks on the

- r Plural
- 2 Superfœtal birth.
- 3 Dead
 - 4 Forced

PLURAL BIRTH.

The plural birth (partus gemellorum, &c.) may be confidered as to

108 PUERPERAL PATHOLOGY.

ine lever, 1 Present { fymptoms,

·gamul 6

3 Practice.

PREVIOUS SYMPTOMS.

A plural pregnancy fomewhat shews itself by

I Unufual fize of the abdomen;

2 Numerous motions, and in various points at once;

3 Anticipation of the common term of delione at some pole, maintained back that work !

PRESENT SYMPTOMS. The Sair bas

The plural birth is distinguished before completion by

- I Smallness of the child.
- 2 Volume of the uterus,

* 3 Touching.

PRACTICE.

is Superketal

A plurality of children does not occasion much embarraffment at delivery.

Each is delivered as if folitary.

Frequently one prefentation is preternatural.

No attempt is to be made to extract any of the placentas till all the children are born, because they sometimes cohere.

If two fets of membranes burst, and the child-

ren be præternaturally fituated, a limb of each may be prefented at once.

This occurence is eafily directed by careful touching a vite drale before delivering

SUPERFŒTAL BIRTH.

The fuperfeetal birth, (partus fuperfetatus), is realy a plural one; the chief speciality is the quantity of interval between the expulsions of the children.

DEAD-BIRTH.

Separation of the Carfellin.

The dead birth, (partus fœtus mortui), merits remark, as to,

- I Symptoms,
- 2 Effects.
- 3 Practice 10 to the land

Rebecca conceived, and the children struggled within her. And the Lord faid unto her, Two nations are in thy womb, and two manner of people shall be separated from thy bowels. And when ber days to be delivered were fulfilled, behold there were twins in her womb; and the first came out red all over, like an hairy garment, and they called his name Elau; and after that came his brother out, and his band took bold on Efan's heel, and his name was called Jacob. Genefis, chap. xxv. ver. 22.

And it came to pass in the time of her (Tomir) travail, that, behold twins were in her womb. And it came to pass, when she travaied, that the one put out his hand; and the midwife took and bound upon his hand a scarlet thread, saying, This came out first. And it came to poss, as he drew back his hand, that, behold his brother came out; and the faid, How halt thou broken forth; this breach be upon thec. And afterwards came out his brother, that had the scarlet thread upon his hand. Chap. xxxviii. ver. 27.

ren be precenaturally fraced, a land of each

The death of the child before delivery may be known by,

- 1 Stilness, or the ceasing of the usual motion,
- Coldness of the uterine region,
- and 3 Fector, and the mand; some landing when
- 4 No pulfation, and and learners to vid
 - 5 Softness,
 - 6 Separation of the scarf-skin,
 - 7 Lividity.

EFFECTS.

The dead birth, (gartes forcemental) mere a

The death of the fœtus, produces,

- 1 Sensation of unusual weight,
- 2 Sickness.
- 3 Parturition.

PRACTICE. 20 Not Superson to the second

The dead birth is not more difficult than the living one; but, on the contrary, in some instances, it is more easily completed: Therefore no speciality of practice is indicated.

FORCED BIRTH.

Forced birth is an artificial anticipation of the time of delivery.

The forced delivery may be viewed as to,

e and could replace by a recent to see the

- - 2 Manner

INDICATIONS.

This delivery is necessary when there occur,

1 Excessive uterine hæmorrhage,

2 Epileptic, or convulsive sits of dangerous strength and duration. e, release, met a pure

I Hemonshey to SANNAM Control of the courses The manner of forcing the delivery is varied by, r.Contraction.

Inchange Dro

.willde C. o.

- 1 Dilatation,
- 2 Prefentation.

DILATATION.

When there is little or no dilatation, it is procured by a gradual pressure and introduction of the hand in a conical form. donas di sersio

-ongi a bust PRESENTATION od od and W

When the vertex is presented, the delivery may be expeditiously effected, by,

- a Distribution is a second to 1 The lever, a separate of separate of s
- 2 The forceps.

A Contract is country of the state of a When this cannot be performed, recourse must be had to.

PUERPERAL PATHOLOGY

3 Full turning.

DELIVERY OF THE PLACENTA.

INDICATIONS.

i radications,

o Manner.

INDICATIONS.

The extraction of the placenta is indicated by,

- I Hæmorrhage,
- 2 Detention, (deuteria), from various causes, The manner of forcing the delivery is varied

r Difacation,

and the stille wheeltheren ed yant

- I Contraction.
- 2 Concretion,
- 3 Debility.

MANNER.

This extraction is attempted by gently drawing the umbilical chord in a good direction: Rashness has often produced an inversion of the uterus (inversio).

When the chord is broken, the hand is introduced as for turning:

Attention is necessary, to,

- 1 Distinguish it accurately,
- 2 Disengage it gently,
 3 Catch it properly,
- 4 Extract it cautiously. When this cancer be region offer.

The puerperal pathology extends its views to those diseases which occur during,

- The aparelia are forestines for pregiment and 1 Non-pregnancy,
- 2 Pregnancy,
 - 3 Parturition.
 - 4 Post-parturition,
 - 5 Infancy.

A full confideration of these, so as to enable us to diftinguish, prevent, relieve, and remove them, is a subject of the greatest importance.

of as bofostinely doubled, to a marbrowned a cam

DISEASES DURING NON-PREGNANCY.

I Local difeases,

nod w doncin when

Deformed Nympha,

--- Hymen, - Vagina,

Hernia,

Prolapsus uteri,

Polypus,

Cancer,

Dropfy

Tempany;
2 General difeafes,

Hysteria,

Furor nterinus,

Irregular Menstruction,

Fluor Albus,

Chlorofis.

Helia Constinue

are a serious set of the land of

The nymphæ are fometimes fo prominent and pendulous as to give inconvenience.

CURE CONTRACTOR

Excision may be practifed.

DEFORMED HYMEN, Min on au sid

The hymen may be altogether impervious, (hymen imperforatum), or fo much contracted as to be productive of confiderable inconvenience when puberty approaches.

CURE.

I Local difeat

Minister Charles Sittle

MANAGE MANAGER

According to circumstances are necessary, jointly or separately,

- 1 The knife,
- 2 Bougie,
- 3 Sponge-tent.

DEFORMED VAGINA.

The Vagina is sometimes natively contracted, at other times more or less narrowed by concretion.

It has fometimes opened into the rectum, and above the offa pubis,

DROPSY OF THE OVARIUM.

Dropfy of the ovarium is probably at first confined to one of the cells or vesicles.

DIAGNOSTIC.

This affection is marked by

- 1 Lateral fituation,
- 2 Afcention,
- 3 Altered lituation of the uterus.

The degree of enlargement is fometimes very great *.

Situation.

SPECIAL CURE.

The cure is attained by the means recommended against ascites. In both may the tapping be practised from the vagina?

- \$ Systematic Elements of Surgery, p. 16.
- Mr MARTINEAUX of Norwich communicated the following infrance to the Royal Society.
- Dropfy of the ovarium began foon after a miscarriage, in a woman twenty-seven years of age. She was tapped in the 1757, and the operation was repeated three or four times every year till 1783, when she died; in all eighty times. The quantity of fluid amounted to 6631 pints.

Tympaty may be found in the

The left ovarium was changed into an immense pouch.

22B PUERPERAL PATHOLOGY.

DROPSY OF THE UTERUS.

Dropfical collection in the cavity of the uterus rarely is met with

DIAGNOSTIC.

Uterine dropfy is distinguished by

- 1 Situation,
- 2 Impaired function of the uterus,

Tarrent ricials in

is a single and a factor of the property of

har the said a minister of the first

3 Touching.

It is to be carefully discriminated from preg-

SPECIAL CURE.

The fluid may be fpontaneously or otherwise discharged by the os internum.

TYMPANITES.

Tympanites (tympany) is a fwelling or distension caused by air.

SITUATION.

Tympany may be formed in the

The chief femptonis are,

a Fredonkied theis.

I Intestines.

2 Peritoneum.

2 Uterus.

The existence of the last is doubtful.

HYSTERIA.

a Convoluen of the convertices and coule.

producing fire a weenfulnes and agitations.

Hysteria, hysterical affection, or hysterics, is a convultive state, often refembling epilepfy.

DISTINCTIONS

This difease is

1 Acute, 2 Chronic.



ACUTE HYSTERIA.

ellise see to

Acute hysteria is made up of strong and seemingly epileptic convultions, fudden in attack,

and of long duration.

The clonic affection of the muscles is most frequent. Sometimes, however, it is tonic, fo that the use of the articulations is suspended, or the body becomes inflexible.

This diversity is chiefly incidental to the young

and robust system.

It fometimes appears during parturition ...

[.] See Convulsion.

SYMPTOMS.

somiforfiel 12

villence of the

Artical Carotan.

Acute hysteria is the

fremient. Somethees.

and toler bas

The chief fymptoms are,

I Convulsion of the extremities and trunk. producing strong wreathings and agitations;

description in the last

- 2 Inconsciousness,
- 3 Suffocation,
- 4 Vomiting,
- 5 Sighing and fobbing,
- 6 Murmuring of the inteffines,
- 7 Retraction of the navel, 8 Stricture of the arms.

A concurrence of these is an hysteric parexysm, or fit.

DISTINCTIONS

This is preceded by

- 2 Grumbling of the belly,
 3 Vomiting, 1 Pain
- 4 Difficult breathing, press strastics visal
- 5 Excretion of limpid urine. Cells sinciprosil

It is fucceeded by

- 1 Laughing, crying;
- 2 Delirium:
- 3 Liftlessness, or seepiness.

These fits happen most commonly about the menstrual periods, and in barren more frequently than breeding women ?. mousivel A s

REMOTE CAUSES.

The predifferent are

- The Vigour, I will not be seen and the vigour, the Ald not be good painted.

of our and your as the sould have the The occasional or exciting are

- I Irritation or stimulus,
 - 2 Strong passion or emotion of mind.

PROXIMATE CAUSE.

The proximate cause is unquestionably a condition of the nerves, giving morbid or high fenfibility.

This has been thought to be peculiarly present in the genital fystem; hence the name of the disease.

PROGNOSTIC.

Acute hysteria is seldom a deadly affection.

CURE.

The indications of cure are

tenderate into authorities, rectum suppl Dr Cullen's Finft Lines, & MDIVI.

Removal of causes, who is the state of

2 Alleviation of fymptoms. Hand visually wi

FIRST INDICATION.

Theils his happen and commonly about the

The removal of exciting causes is obviously necessary.

The passions are to be calmed, and every

foothing fuggestion offered.

All irritations, as far as may be, are to be The eccational on executing are obviated.

SECOND INDICATION.

a limitation or dimidles.

the genital lythem;

Alleviation of the convulsion and other symp. toms is obtained by remedies:

I. General; drom gaive, severa she lo notib

Bloodletting,
Purging,
Tepid bathing,

4 Opium.

II. Local;

Tepid bath, his ai aireflyd suos

2 Opium,

3 Enema.

These remedies, duly administered, equally fubvert the predifposition and alleviate the symptoms.

PROMOSTIC

chronic Hysteria.

The chronic hysteria is, upon the whole, milder than the acute fort; the convulsive motions are fainter, but much more protracted.

This diversity is met with in the delicate and asthenic habit, particularly when old.

Actit land, commonly called analyticate; as

1 Convulsion of the intestines (borborygmi), fometimes audible;

2 Convulsion of the gullet (globus hystericus);

3 Flatulence, belching, &c.

4 Acute pain of the head (clavus hystericus);

5 Palpitation;

6 Yawning;
7 Susceptibility of various and opposite passions, hence laughing and crying alternately;

8 Costiveness.

SPECIAL CURE.

l'after carrigh, l'es deira bech

The indications are, but a common tall ;

1 Abstraction of causes,

2 Relief of fymptoms.

ABSTRACTION OF CAUSES.

This is diligently to be attended to, as highly confequential.

It furnishes occasion to much attentive enquiry. .ALRETERA DINORHO

The chro. sweet fort, the convultive motions

This is chiefly promoted by in tud , warnied one

1 Stimulants of the diffusible, volatile, or feetid kind, commonly called antibysterics; as

Ardent spirit,

Æther,

Spiritus volatilis aromaticus,

Tinct. fætida,

Musk, &c.

2 Tonics;

Wine,
Iron preparations, steel carraway, &c.
Steel waters,
Cold bath,
Passive exercise,
Peruvian bark,
Bitter spirituous tinctures.

a Abilitablion of coules.

at Reflet of White affine

fe

e Flatulerice, belching, &c.

h) have site to may stud form

- 3 Diet nutritious, and eafily digestible;
- 4 Laxatives;

Aloe and aloetics, Soluble tartar, Magnesia, &c.

5 Opiates occasionally.

THURS ALL THE YEAR OF

The cure of symptomatic hysteria requires attention to the original difeafe.

REMOVING TOLICATION

1 Renoval of confess

Cond religions of P

: District o

Green Francisco de Maria de la

State of the contract.

FUROR UTERINUS.

Correspondence de la companie de la constitución de

Furor uterinus, or nymphomania, is an itching fensation about the os externum.

SEAT.

The glands of the clitoris and urethra are perhaps the feat of the affection.

SYMPTOMS.

- 1 Lasciviousness,
- 2 Micturition,
 3 Convultive motions.

PROXIMATE CAUSE.

This perhaps is an alteration, fomewhat of the inflammatory kind, of the glands, of the feat of the difease, and of their fluids or secretions. A comprehendict with the important

cale may be taken unclared neads.

Is effected by san har to along med and the sant

1 Removal of causes,

2 Relief of fymptoms.

REMOVAL OF CAUSES.

and the spirit of the second

in dentation about the co

Every suspected exciting cause is attentively to be removed.

RELIEF OF SYMPTOMS.

The remedies are,

1 General;

Bleeding,
Tepid bath,
Sedatives, opiates.

2 Topical;

Tepid bath, poultice, &c.

Emollients---milk, sweet cream, oil, &c.

Opiates, ol. anodynum *.

AND STREET

IRREGULAR MENSTRUATION.

This borden is an element in the of another

THE COLLEGE OF SHEET OF STREET

A comprehensive view of this important disease may be taken under the heads,

Sacch. Saturni has been propeled as a local application.

- 1 Non-appearance, American
- 2 Suppression, And S
- 3 Overflowing.

NON-APPEARANCE.

Non-appearance of the menses (emansio menfium), is not frequent.

circular sei 18 causes.

- 1 Malformation of the menstrual vessels.
- 2 Obstruction of the os internum or exter-
 - 3 Difease producing inanition.

The constitution CURE.

This disease, flowing from the first cause, is, in its nature, incurable; but as this is a circumstance of difficult detection, a prudent application of emmenagogues is admissible.

Depending on the second cause, it is obviated

by chirurgical means.

if-

Refulting from the third cause, the removal of the primary affection is the cure.

SUPPRESSION.

Suppression, or stoppage of the menses, may be,

a-Separedian ...

a Overflowing.

Sufference of Almon, APPRARANCE

Partial communique acid to 2 Total.

Both may be confidered under the term fcantiness or deficiency (amenorrhæa).

SYMPTOMS. Non-appearance of the jamies (emanho men

1 Lassitude and debility, popper war i amol

2 Vitiated appetite,

- 3 Paleness, or discolouring of the chlorotic kind.
 - 4 Swelling of the feet and legs,

5 Pains in the back and loins,

6 Hæmorrhage from the nose, lungs, &c.

CAUSES.

a Dilecte producing inaction.

Deficiency of the menses, is, for the most part a symptomatic affection, or a disease dependent on another; confequently the pre-existing affection is the occasional cause.

This circumstance is exceedingly confequential,

and needs the closest attention.

Suppression, proceeding from pregnancy, is obviously not a disease, but may be hurtfully mistaken for one. of the prior of climb is the co

PROGNOSTIC.

The fate of the patient is regulated by the nature of the primary disease. Suppression, or Rogang of the mental

may Celletelly be at their own to the State of CURE.

The re-establishment of the menses has been attempted by substances from their supposed effects. called Emmenagogues.

It may be justly questioned, if materia medica contains any articles deferving this character. The following, however, have been deemed to be fuch:

- 1 Sabina, Charles (1991)
- 3 Melampodium,
- 4 Aloe,

charages

5 Cantharides. &c. sis algument Asset

INDICATIONS.

The general indications of cure, are,

- 1 Removal of causes.
 - 2 Relief of fymptoms. The comment and

REMOVAL OF CAUSES.

la no cale ought the

This is of the utmost importance to be answered, because the affection in question is almost always fymptomatic.

OF ER FLOWING. RELIEF OF SYMPTOMS.

As far as the disease is idiopathic, and connected with inanition, the remedies, are,

I General;

Nutritious diet,
Wine,
Air,
Paffive exercise, riding, friction, &c.
Tonics.

CURE.

Tonics.

Peruvian bark,

Preparations of steel,

Cold-bath.

2 Local;

Stimulants,

Heat, through the medium of water

Electricity,

Marriage,

Impetus, from compressing the femoral
arteries.

Saturday.

and the second state of th

The constitution being mended, the menses, when the suppression has been symptomatic, return spontaneously.

In no case ought the practitioner to be too

bufy, he may do mischief.

The healing power is productive of changes which the undiscerning are apt to ascribe to other causes.

OVER-FLOWING.

Over-flowing of the menses (menorrhagia), is an excessive discharge within a given time. This happens when the usual quantities are disthe fluididh attenti

charged, after too short intervals; or when uncommon quantities are effused at the stated terms.

A confiderable fluctuation, as to quantity and periods of the menses, is confistent with health.

CAUSES. in the last of the

The causes of menorrhagia, are,

I The plethoric state and its causes.

RELEGE OF STREET

- 2 Stimulants, 1775 of significants aviBA
- 3 Agitation or exertion.
- 4 Non-contractility.

Menorrhagia is unquestionably an essusion from the menstrual arteries.

When this hæmorrhage is dependent on the plethoric and vigorous state, it is called active; occuring in opposite circumstances, it is passive.

Menorrhagia is oftenest of the former kind; it foon, however, passes on to the latter.

PROGNOSTIC.

Menorrhagia, unconnected with local disease, feldom dangerous.

i General remodice

CURE.

The application of remedies must proceed according to the nature of the hæmorrhage. The general indications exist,

Removal of causes, thomas management

2 Relief of symptoms. A confiderable fortugion, as to country and

REMOVAL OF CAUSES.

chaired, after roa frost intervales, or when

This is of the highest importance, and merits the strictest attention.

RELIEF OF SYMPTOMS.

of the obstacication and to cause,

early engandered for his solution of T

Allen this dismissioner

Hall the back that he was

Active menorrhagia is cured by,

I General remedies;

Blood-letting, hands it single della Abstinence, Reft, Opiates. a such autoria mit vigo de tram-

2 Topical ones;

Tepid-bath, Opiates.

Passive menorrhagia is restrained by,

Tachillor 1

I General remedies;

Dietetics, Stimulants---wine, &c. Tonics. Was offered the little of the

animuch.

sue anomabibel

Peruvian bark,

Vitriolic acid,

Steel preparations,

Cold bath,

Passive exercise.

2 Local remedies;

Cold bath, Stimulants.

or with the

FLUOR ALBUS.

Fluor albus, or leucorbæa, is a flux of whitish matter from the vagina *.

SOURCE.

It is thought to be an effusion from the menfirual vessels, and to be connected with the pasfive menorrhagia +.

May it not be a morbid fecretion or glandular effusion?

DIAGNOSTIC.

Bentronium Proprieta

Leucorrhea is a very common disease.

It may be mistaken for gonorrhea virulenta, or for purulent matter.

^{*} Elements of Physic and Surgery.

[†] DR CULLEN'S First Lines, & DCCCCLXXXVIII.

Pain and ardor urinæ attend the former, and inflammation precedes the latter.

Careful touching affifts the diagnostic.

CAUSES.

Parting exercise.

a Legal remediant

Srigulary 1 .

1 Laxity,
2 Irritation.

CURE.

Indications are,

2 Relief of symptoms.

The first requires great attention.
The second is answered by,

Dietetics,
Stimulants,
Tonics.

Peruvian bark, &c.

TEN COLLEGE ME 1500 CHECKINE

.pines

These remedies are injected occasionally into the vagina, while the fituation of the patient is favourable to retain them.

An injecting apparatus that gives as little difturbance as possible is to be employed.

The ordinary one answers very well *.

escape of material and and

CHLOROSIS.

Chlorofis or green-fickness is an althænic state incidental to the younger subject, and much connected with irregular menstruation.

.noilmyou

SYMPTOMS.

- 1 Non-appearance or scantiness of the menses,
- 2 Sluggishness, lassitude, and debility,
- 3 Dyspesia,
- 4 Vitiated appetite,
- 5 Paleness verging to the yellow, 6 Oedematous state of the feet, &c.
- 7 Headach,
- 8 Pains of the back and loins,
- o Palpitation,
- 10 Syncope, a milital ("ilmediala militariba"

CURE.

The chlorotic state is cured or obviated by the remedies of passive menorrhagia.

Dr Swedlaun very obligingly favoured me with the model of a very good one. .els.destry.

The Cremodies are

r Dyfoelia.

Pams of the

Palakasinta.

II. DISEASES DURING PREGNANCY.

The diseases occurring most frequently in the pregnant state, are, growing one yumboo of P.

- I Indigestion,
- 2 Longing,
- 3 Heart-burn,
- 4 Costiveness,
- figure of Hamorrhoids, and to situroid
- 6 Varices,
 7 Strangury,
 - 8 Retroversion.

 - 9 Cramp,
 - Hepatitis, 12 Jaundice, 10 35 manda do 10 1/1

 - 13 Lues venerea,
 - 14 Dropfy,
 - 15 Abortion, correcte betsen V
 - 16 Falfe labour. Oedemateur flate of

INDIGESTION.

Indigestion (dyspepsia) seldom fails to occur early. PUPPE.

SYMPTOMS.

- 1 Lofs of appetite,
- 2 Sickness (nausea),
- 3 Vometing,

ne obviated to

- 4 Flatulence,
- 5 Leanness-

Die object of C

CAUSES.

Differtion of the uterus which diffurbs the digestive organs, as well by sympathy as preffure;

2 Retention of the menses.

CURE.

FIRST INDICATION.

Occasional causes cannot be avoided.

SECOND INDICATION.

Little alleviation can reasonably be expected while the causes continue to act; some, however, may be obtained by,

I The most digestible food taken frequently, but in small quantity,

2 Free air,

3 Gentle and passive exercise,

3 Cheerful diversions.

LONGING.

and have the relevant

Longing (pica), or a wish for uncommon foods, is not unfrequent: For the most part transient

CAUSE

The sympathic affection of the digestive or-

CURE IN TO SUCCESSE A

The object of the longing may generally be indulged in.

Occupantal names court

HEART-BURN.

Heart-burn (cardialgia) is a fense of heat and burning about the stomach, often producing sickness and vomiting.

CAUSE.

A fympathic affection of the stomach, chiefly consisting in,

- 1 Irregular and weakened action,
- 2 Morbid fenfibility.

EFFECTS.

- r Pain, at Ent Town statement and all al
- 2 Acidity,
- 3 Indigestion

MONTA CURE WHO DEE

FIRST INDICATION.

Causes obviously not removeable.

SECOND INDICATION.

Some alleviation is effected by,

- 1 The most nutritious and mild diet,
- 2 Opiates when the pain is fevere,
- 3 Absorbents, --- magnesia, chalk, &.

COSTIVENESS.

Costiveness, (obstipatio), is an undue retention of the fœces alvinæ.

This is a very common affection, and for the most part is aggravated during the latter months.

CAUSES.

- 1 Uterine pressure,
- 2 Disturbed and weakened intestinal action.

CURE.

ciabinan daan

·安康·德州的

FIRST INDICATION.

The causes are fixed.

SECOND INDICATION.

Alleviation may be had from,

1 Laxative diet, ripe fruits, &c.

2 Paffive or moderate exercise,

3 Mildest purgatives,

Aloetics. Neutral falts, and the the same? Magnefia.

s blimbas It is requisite to repeat these occasionally.

HÆMORRHOIDS.

Hæmorrhoids or piles, (hæmorrhois), is a difcharge of blood from veins near the anus.

When this discharge happens from vessels within the anus, the hæmorrhoids are faid to be internal.

When the veins are turgid and about to burk, they are called blind piles, to distinguish this ftage from the next, which gives open or bleeding piles.

The stretching of the vessels, during the blind stage particularly, produces more or less inflammation and pain, which are highly aggravated at stool, particularly if costiveness be present.

This difease appears most commonly in advanced pregnancy.

of he causes are turing

bare' finapoled.

traine. The section is the

turition.

OTHER DESCRIPTION OF THE

he local, and notone gazzon changing and artistic

The difficult thus appears in a great appellus to

- 1 Magnitude and pressure of the uterus, interrupting the return of the blood in the hæmorrhoidal veins;
 - 2 Costiveness.
 - 3 Parturition.

Various are fundian ZRUD anded scine.

FIRST INDICATION, TO THE POPULATION

or AT he verleois there of the venue of the kees, it

is necessarily irrended with considerable pain.

The investigation and removal of exciting causes are to be attended to as much as possible.

SECOND INDICATION.

returning blood The fymptoms are foftened, by,

- 1 Leeching, especially during the blind stage.
- 2 Gentle cathartics occasionally administered by the mouth, or in the form of clyster .
 - 3 Tepid bath, especially poultice;
 - 4 Emollients---oil, cream. &c.;
 - 5 Opiates --- anodyne oil or liniment.

The effect of these remedies is much promoted by the lying posture, when the swelling and pain

- Principle of the state of the state of the communication of the second of

^{*} I have contrived a convenient apparates, by which the patient can administer the injection.

The disease thus appears in a great measure to be local, and not nearly so consequential as some have supposed.

t Magnitude and prefine of the tree se inter-

boids voins:

2 Parturition:

6 VARICES.

Varices are swollen or distended veins.

The varicose state of the veins of the legs, frequently occurs towards the end of pregnancy, and is necessarily attended with considerable pain.

The inveligation and removal of the country

The gravid uterus, affecting the motion of the returning blood.

CURE.

FIRST INDICATION.

The exciting cause cannot be removed till parturition.

SECOND INDICATION.

Relief is procured by,

Localinited

1 Horizontal or lying posture,
2 Swathing the limbs in the mornings with flannel, so as to give due resistance.

3 Friction in an upward direction, especially before the applying of the fwathes.

hoshof at artisto) at this way warning and to shad

Retroversion, (consevento utaxionis a falling-

Strangury (ischuria vesicalis, micturitio), is a painful or difficult passing or suppression of the urine.

This disease occurs oftenest towards the latter period of pregnancy, and sometimes occasions most uncommon distension and even bursting of the bladder.

It is of great configurate to obtain an early discredic, because discredices and increal-

The pressure of the gravid uterus on the neck of the bladder or urethra.

r Phin, chiefly ref ARUS o the uterus,

FIRST INDICATION.

The pressure of the uterus may be taken off, at least for a time, by the lying or lateral posture.

SECOND INDICATION.

Alleviation is obtained, by

1 Catheterism occasionally,

2 Puncture of the bladder from the vagina, when the catheter cannot be introduced.

^{*} From Mas McK --- I extracted at once by the catheter, eleven pints three gills of urine, English measure.

" whichian in an upward directions especially

RETROVERSION Diviging and atoled

Retroversion, (retroversio uteri), is a fallingback of the uterus, by which its fundus is lodged in the cavity of the os facrum, and its os internum raifed towards the offa pubis.

This affection occurs about the fourth month, because the fundus uteri, at this time, begins to

rife above the brim of the pelvis .

period of preguency, and dimetimes occalions to gentland any bragnostic to through floor

It is of great consequence to obtain an early diagnostic, because duration induces and increasfes the danger.
The chief symptoms, are, in to realist and to

- I Pain, chiefly referable to the uterus.
- 2 Sickness at stomach,

3 Hiccup,

4 Vomiting,

5 Supportified of the urine and faces,

6 Swelling of an oval figure above the offa pubis (urocele), 7 Tenefmus Oly halidki GMOD 1a

8 Obstruction of the vagina, &c. perceived by touching,

a Puntitioned of the bladder from the various,

states three givens and points are not

9 Fever. 18 par dismonstrato adianadis) 1

* London Medical Transactions, Systematic Elements of Surgery.

CAUSES IN THE S

e Retendion.

tions reds on her knees and the

charging the bound runit.

abus sub summer en sull as

MODITARION.

1 Violent straining or exertion.

2 Distension of the viscera, especially of the bladder.

3 Distortion.

cellars, lime deficient operation:

This difease is always dangerous, particularly when it has continued for any considerable length of time.

In calcium the hold be fruitless, the hving it

The removal of causes is necessary and a good deal practicable.

The distension of the bladder and rectum urgently require to be obviated by,

s Change of posture of the uterus,

2 Catheterism,

3 Clysters.

as hope ad SECOND INDICATION. See A 2

The fymptoms are alleviated, if not entirely removed, by,

- I Reduction. INVAD
- 2 Retention.

REDUCTION. Section C.

Reducing, or replacing of the uterus is a neceffary, but difficult operation.

It is most successfully performed while the pa-

de Moient Lauraine or even ic

tient rests on her knees and elbows.

Two fingers of the left hand are introduced into the vagina, and two of the other into the rectum, to co-operate in fuch pressure as may be found requifite.

In case this method be fruitless, the living lever may be advantageously applied to the os internum, to move it downwards to diminish the

mpaction.

sel to visit and

An instrument, nearly of the same form, may be employed with more effect than the fingers in the rectum, to co-operate with the lever.

Should these expedients fail to produce repofition, one or other of the following operations must be performed.

I. Diminishing the bulk of the uterus, by difcharging the liquor amnii, through

The os internum, by means of the catheter

or fimilar instruments.

2 A perforation or puncture in the most accessible part of the uterus made by a proper trothe fruntatue are afferdaded. movett, by

Both the modes in figurally require,

2 Retention.

The circumstances regulate the use of

The knife.

bythero-

The fift method peculiar land off

concurring with bythere

This street ion feldom or

Pages Si and po. !

tomy necessary 4, HERNIA.

Hernia, or rupture, denotes a displacement of the viscera, covered by the integuments of the furface at which it is formed.

It has been already remarked that pregnancy,

This difease most readily takes place among the abdominal organs, because they are most sufceptible of changing place. Amorting of the months

The female is liable to ilboog at signor of I

Exomphalos, umbilical,

2 Bubonocele, inguinal,

3 Miracele, femoral,

4 Hysterocele, uterine, autoco tomoi odT

The third is feldom met with in the male; the fourth is peculiar to the female.

The fellowing remadaughte to it, in the first

Hernia admits of,

1 Radical, 70 in vilarens bus ani 2 Palliative, Syftematic Pleasents of Surgery.

Both these modes indispensibly require,

- r Reduction, wayer commitmus in sail
- 2 Retention.

The first method peculiarly confists in pro-

The kail.

curing an impossibility of relapse ...

It has been already remarked that pregnancy, concurring with hysterocele, rendered hysterotomy necessary +.

PROLAPSUS.

Prolapfus, procedentia, or downfalling, is a displacement of any organ not covered by the common integuments.

The female is peculiarly liable to,

- r Prolapfus uteri, we have the same to
 - 2 ----- vaginant sloonocatt s----- vaginant sloonocatt s-----

The former occurs often, and exists in the

2 Gravid State 1000 at hours off

The following remarks apply to it, in the first one.

This affection feldom occurs before child-bearing, and generally in advanced life.

[·] Systematic Elements of Surgery.

[†] Pages 83 and 90.

DIAGNOSTIC.

The disease in question can scarcely be mistakend the formation with until the ve bergettil

It is readily discovered by,

Alle A bandagaha hase

need with fine oil or

- 1 A perception of obstruction, 2 A painful sensation,

 - 3 Touching, TINABET
 - 4 Inspection.

Among all the varieties of pellaries, that is profor blow grivell CAUSES rolled told reldent

- r Relaxation of the ligamenta lata, &c.
- 2 Straining during travail; &c. doored t

PROGNOSTIC different to)

a Lichmela.

The disease commonly is not dangerous, always, however, abundantly incommoding. The more recent the affection, and the younger the subject, the removal is less difficult.

CURE. AT

Prolapfus, like hernia, requires, sassace

- Reduction, dened ber elderiolized aluif
- 2 Retention.

The sire policy is formed of a finell sledder or large left 'end are at pale costs the book REDUCTION. all the arrive a distriction

the d by the prices, is a found and long the ble price, which is Reduction or replacing of the uterus is eafily effected, by gentle preffure in the reclined pofture. the state which the theory are all of

RETENTION

Retention, or maintaining the replaced uterus in due fituation, is difficultly acquired; it is attempted by

r Peffaries, 2 Bandage.

PESSARIES

Among all the varieties of pessaries, that is preferable which possesses the following qualities:

r Refightion of the licements lata. &c.

- a Smoothness, the state gainst gainst a s
- 2 Lightness,
- 3 Compressibility.

I have invented the air-peffary, which has these characters in a greater degree than any other I know of .

BANDAGE.

Bandage cannot afford full retetition; it must be admitted, however, that its effect is not a little comfortable and beneficial.

The air-peffary is formed of a small bladder or bag, soft and airtight, with a valve at the orifice. It is introduced and then duly inflated by the patient, by a small and long flexible pipe, which is immediately retired.

This instrument, while it is exceedingly light, fully occupies the vagina, and supports perfectly the uterus. When it is wished to retire it, the valve is forced, and immediately it collapses.

The T bandage is fittelt smal anillawl and I

A piece of folded linen cloth, occasionally covered with fine oil or butter, and applied over the os externum, supported by the T Bandage, may, at least, be employed when pessaries of proper construction cannot be procured.

While the retention is purfued by these methods, the laxity is attacked by fuited remedies: spectros tendas e

a Saparaffica of urine and forces,

A Louching.

Library to bid

Which are,

I General. Man Man Begins & Diet. Exercise. Tonics, cold-bath, &c. 2 Topical. define d'alexand an historie bur Oak, Peruvian, barks. Allum. Cold- i bu noto ani marine ampirel de cielle

POLYPUS.

Polypus is a flesh-like tumour, generally forme what round.

> . nonmx .2111025

It is formed in,

the balls

I The nose,

2 The ear,

3 The throat.

A The vagina. Solos is tour of and

Polypus in the vagina, is often attached by a peduncle or root to the os internum.

This fwelling fometimes acquires great fize .

DIAGNOSTIC.

The diagnostic is easily gathered from the

- I Pain, in yeshadama ei gidal sei shodi
 - 2 Hæmorrhage,
 - 3 Suppression of urine and fœces,
 - 4 Touching,
 - 5 Inspection.

A careful discrimination is requisite betwixt it and prolapsus uteri; a mistake may be fatal.

PROGNOSTIC.

This affection, when inveterate, is very susceptible of cancer.

CURE.

Extirpation, which ought never to be delayed, is practicable by,

- 1 Excision,
 - 2 Ligature.

The former is effected by the knife or sciffars properly formed.

s on building and other parties of the singlest

Elements of Physic and Surgery, vol. ii.

The latter, in the common way, or by the infiruments of Leverer and Hunter *. inger to been caucers

The fraptoms of this last, are, at went if CANCER.

Cancer is an ulcer of the most malignant nature.

PREDISPOSITION.

It is difficult to point out the predifposition to cancer in the constitution in general. In the part affected, it is peculiar induration, named of mation, confidered as a flare or process, but

of to national scientification of the sciences

Scirrhus is a loss of vascular structure, confiftent, however, with a degree of circulation of the fluids. Cancer is always tull of danger

SYMPTOMS

The fymptoms of scirrhus, are,

- The cure of cancer, is, 1 Peculiar hardness.
- 2 Glandular fituation,
- 3 Slow formation,
 - History and Carl 4 Indolence, or absence of pain.

The transition of scirrhus to the cancerous state is always marked by inflammation, accordingly,

, RADECAL CURE:

† Elements of Phylic and Surgery, vol. ii.

Edetely accommy that H

inflammed fcirrhus has been named occult cancer; and when this proceeds to effusion and rupture, it is open cancer.

The fymptoms of this last, are,

- 2 Ragged margin,
- 4 Erofion,
- 5 Acrimony.

It is difficult to point The acrid quality of the matter of cancer, does not refult from any diversity in the inflammation, confidered as a state or process, but feemingly from the previous condition of the affected parts.

PROGNOSTIC.

Cancer is always full of danger, the flightest degree of it is justly alarming.

acure lo smotonvi adl'

r Perulia hardus

. Continue to the second second

a Indolence, or ablence

A day on grad has about 12 has small to

The cure of cancer, is,

- r Radical, habour relation of the
- 2 Palliative. .

I RADICAL CURE.

The radical cure can only be had by amputation, and, in order that this may ensue, it is abfolutely necessary that it be,

" " " Slopen lini arralge

1

- r Timely, a समझ प्रति अवस्था
- 2 Complete.

If may be effected, by,

- of i Caustic---arfenic, &c. 11 Action mi
 - 2 The knife,
 - 3 Ligature.

PALLIATIVE CURE.

Palliation is acquired by remedies

I General: ITT MIT TO ASOMAD

Diet mild and nourishing;
Tonics---Peruvian bark, wine, &c.;
Anodynes---Opium:

STREET, OKKE

2 Topical:

Absorbents---fine lint, sponge, &c.; Demulcents---oil, milk, mucilage, &c.; Anodynes---ol. anodyn. &c.

Lest the ulceration may be venereal, mercury may always be tried.

The fever, keeping pace with the ulcer, finally kills the patient.

The most frequent situations of cancer are,

- 1 The breaft,
- 2 The uterus.

CANCER OF THE BREAST.

he has been and and world the

1.015 quito J s

A senture.

Cancer of the breast or milk glands is fre-

It most commonly occurs after the child-bearing period. Indeed it is not confined to the puerperal female.

SPECIAL CURE.

Extirpation during the scirrhous state is the most certain plan of cure.

CANCER OF THE UTERUS.

Uterine cancer oftenest attacks the aged female.

SYMPTOMS.

1 Pain about the hypogastric region and pubes;

Transfel Linear though

Ambana As-convocata

- 2 Discharge peculiarly acrid and fœtid;
- 3 Volume;
- 4 Induration;
- 5 Extent;
- 6 State of the bladder; William and An. I
- 7 ----- recum. Dein ad avente vern

SPECIAL CURE, Ind advettal vi

Amputation of the uterus being feemingly impracticable, the palliative plan of cure alone remains.

DROPSY.

Bropfy (Hydrops) is a collection of a serous or water-like sluid in any of the cavities.

The varieties of this disease, more immediately connected with our subject, are seated in the

- 1 Abdomen,
- 2 Ovarium,
- 3 Uterus.

DROPSY OF THE ABDOMEN.

The abdominal dropfy (ascites) is formed in the cavity of the peritonæum.

DIAGNOSTIC.

Afcites is known by

- r Progress,
- 2 Uniformity,
- 3 Fluctuation.

CAUSES.

Ascites may immediately arise from

- 1 Laxity
- 2 Obstruction
- 3 Rupture
- 4 Scirrhofity

of the absorbents.

No. of the second second

PURPERAL PATROLOGY! 120

Ascites is carefully to be distinguished from pregnancy, with which it fometimes is prefent.

Brophy (Frdrops) is a collection of a foreign PROGNOSTIC.

The fate of the ascitical patient is often dangerous, always doubtful: the younger the fequel is less to be dreaded.

namobel a

the crypty of the perhodicum.

by Fladination.

CURE.

Afcites is removed by

1 Abforption, al land 2 Tapping . Worth intermedide off

The first is frequently unattainable, and not to be too long proescuted by

- I Cathartics .-- Crem. Tart. &c.
- 2 Diuretics.
- 3 Stimulants--exercise, &c. +

. Systematic Elements of Surgery.

† A woman, aged 40, in the parish of Kirklington, near Carlisle, laboured under ascites for three years. The size of her belly was very great, while her body was much emaciated.

At last her navel, which was much protruded, burft, and the fluid

was fuddenly discharged.

The wound continued open, and afforded an oozing, for three or four months. She gradually recovered her health, and has had no relaple. mionted &

These measures approach much to the nature of embryotomy. Thingong because out egol oils

CARSHS.

II. Pelvitomy.

It is furprifing that Dr HUNTER had not adverted to the propriety of this measure suggested by Dr PURCEL*, because he found that the uterus could not, after death, be otherwise extracted from the pelvis +.

If timeoully performed, it may fave both mo-

ther and child.

RETENTION. title marrie force.

After the uterus has been replaced, it is eafily kept in its fituation.

pt in its fituation.

The more difficult the reduction, the more eafily is the retention effected.

Reduction is favoured by

one of salation in motion

difference date streether.

- 1 Reft.
- 2 Lying posture,

cRAMP.

A STITLE A.

Cramp is a partial fpasmodic or convulsive affection.

Medical Commentaries.

[†] Mr Warman's Cafes, in which an inftance of this affection, fatally mistaken, is narrated. · premis green delicending.

This most frequently attacks the muscles of the legs in advanced pregnancy. Information to

CAUSES.

if Pelvironer.

1 Idiofyncrafy, giving high feasibility, 2 Irritation, refulting from the gravid condition of the care a behalf he could be re-noit

victus could not, ather clearly, be otherwise each cure leg on mon before

. If himsonily neclectated in may have both mo-FIRST INDICATION Ind bus took

The action of the exciting cause may be somewhat fuspended by Change of posture. " After the atoms ha

SECOND INDICATION. SHEET IN SECOND reducition, the more

Relief is obtainable by

- I Friction, or motion,
 - 2 Tepid bath, a Leve rollare.
 - 3 Opiates.

10 ASTHMA.

Afthma is breathlefinels, or confined respiration. Cramp is a witch fromodic of convuling

CAUSE.

monny.

The elevation of the diaphragm, or rather, perhaps, its being prevented by the volume of the uterus from descending.

Life La

CURE

Alleviation may be derived, especially when the patient is plethorie, from to specially we Evacuants. A Collinguels.

HEPATITIS.

Hepatitis is inflammation of the liver-It feldom occurs.

Diet of a digeling and beative quality,

Pain in the region of the liver, sometimes shooting to the shoulder.

2 Vomiting caused by the proximity of the stocondition is to be adopted.

3 Hardness. normal newlon cultivation and a

SOTSMING COMMETCE.

4 Fever.

CURE.

IN LUES VENEREA. The remedies are those of inflammation, to be enumerated hereafter. Theory to protect 2241 by a peculiar fubrile politions matter, commu-

JAUNDICE. STE STATE OF

niealed generally during

Jaundice (icterus), is an obstruction of the bile. This disease is seldom connected with pregnancy. .a. Syphilis.

SYMPTOMS.

- Yellowness of the furface, and nothing the

 - 2 ----- of the urine,
 3 Whiteness of the fæces alvinae,
 - 4 Costiveness.
 - 5 Liftleffness.

CURE.

Jaundice generally yields to

- 1 Diet of a digestive and laxative quality,
- 2 Soap,
- 3 Soluble tartar,
- 4 Gentle exercise. lo n les of ni mist

No management incompatible with the gravid condition is to be adopted. alanbraff y

hooting to the thoulder.

13 LUES VENEREA. The remedies are showed infamuration to be

Lues Venerea, or venereal difeafe, is excited by a peculiar fubtile poisonous matter, communicated generally during the fexual commerce.

TAUNDIEE

huselice (dierit) Livia obliga

Its forms are,

1 Gonorrhota virulenta,

2 Syphilis,

GONORRHÆA VIRULENTA.

Gonorrhea virulenta is the venereal disease confined to the vagina and external parts.

SYMPTOMS.

- Running, or a flux of matter, often refema-
 - , 2 Pain,
- 3 Micurition; vall to free of it will be
 - 4 Tenefmus: day the constraint to broat these

SOURCE, to select the select the

The glands on the affected furface.

achastor information and dispuration of

the art continent and offen their and craft.

CAUSE of 1670

The venereal poison distressing the glands, &c.

MOTCURE TERIT

FIRST INDICATION?

The poison cannot be directly removed; indeed it has acted before it be discovered.

SECOND INDICATION.

The fymptoms are relieved or removed by to-

Mucilaginous AMHALOMOS

3 Mercurial

-Conominga sancifagini

confined to the vigina an

4 Anodyne

This degree of the difeate often disappears fpontaneously.

i Ronning; or a best of matter; often telemen SYPHILIS.

Syphilis is the effect of the venereal poilon become more or less general, giving alone?

I Ulcers (chancres);

2 Bubos, or inflammation and suppuration of 3 Ulcers of the almonds of the ears, &c.

4 Copper-coloured and often scaly and crusted fpots over the body.

5 Caries.

The venereal poilon diffreshing the blands CURE.

FIRST INDICATION.

The poison, the cause of all the symptoms, is either destroyed, or its action eluded, by

Mercury; the mildest and most effectual Pilul. Mercurial. P. E.

of "d by Ung, Mercuriale P.E. anotogueri sdT

System X X

2 Opium, Caraciana de la constitución de la constit

SECOND INDICATION.

The first indication, properly fulfilled, superfedes the second.

The remedies ought perhaps only to be urged to alleviate the fymptoms till after delivery, when the cure is to be completed.

"This carrot beyeropy de forms aid I

Paule openMerrecorder vante

Dropfy is a morbid collection of the serous or water-like part of the blood in the cells of the fatty membrane, or in a cavity.

The former fituation gives to the affection the name of anafarca, or ædema, to which the following remarks refer:

Œdema often appears on the feet, legs, and even the os externum, during advanced pregnancy, to a very confiderable degree.

SYMPTOMS of CEDEMA.

As querion ?

- I Swelling, and the state of the
 - 2 Pasty quality,
 - 3 Uniformity, Man deimoda
 - 4 Progress, for the world

Telegraphy of

CAUSES.

I General affection of the exhalants and abforbents.

2 Compression on or obstruction of the absorbents, arifing from the gravid uterus,

CURE.

who elected is to be completed.

STATE OF THE PARTY OF THE PARTY

FIRST INDICATION.

This cannot be answered till parturition.

SECOND INDICATION. the many and the blood in the cent in the

The fymptoms are moderated by,

- i Recumbent posture,
- 2 Friction,
 - 3 Bandage. : 19 to 19 of frame party

and basinyho

ABORTION.

Cancy, to a wife confidential disease.

MOTHEM 73

Edema discussion and at the terminal

Abortion (abortus), or miscarriage, is a premature expulsion of the fœtus. Pall day all

Abortion may take place at any period of It however most frequently occurs pregnancy.

in the early one, or about the third and fourth months.

SYMPTOMS.

- r Pain about the loins and os facrum;
- 2 Tenefmus, or downward preffure;
- 3 Hæmorrhage, or flooding;
 - 4 Sickness, especially after motion;
 - 5 Fever.

These become aggravated in proportion to the aborting tendency.

A 40 more CAUSES, Land in the contract of

I. Predifponent;

- I Plethoric state,
- 2 Irregular menstruation,

II. Occasional;

On the Part of the Mother,

- 1 Stimulant food or drink,
- 2 Exertion,
- 3 Agitation,
- 4 Disease--fever, lues venerea, &c.
- 5 Passion or emotion of mind.

On the Part of the Child.

- 1 Disease,
- 2 Death.

in the early one, or about the chied and fourth III. Proximate;

s Separatation of the placenta or chorion,

. revew.

IL Occasional;

r

2 Death, or disease of these parts.

PROGNOSTIC.

When the fymptoms are intenfe, especially the flooding, abortion is scarcely to be prevented_

The danger principally flows from the hæmorrhage, which bears a proportion to the dilatation of the veffels of the uterus, which is as the progress of pregnancy; therefore, the later the more dangerous. e liregular mentrynilon,

CURE.

FIRST INDICATION

This demands special attention.

SECOND INDICATION.

Paffice or concern of uned.

The flooding and other fymptoms are alleviated, and an opportunity afforded for the removval of the proximate cause, by,

1 Early and plentiful blood-letting,

2 Rest in the recumbent posture.

3 Mild laxative injections, to prevent cof-SECOND TRDIC Albusti

The pain is allayed by,

4 Coolness.

5 Opiates.

If these remedies are incapable to prevent abortion, it may then be permitted, or, when the flooding is violent, promoted by.

The hand.

of Dicerus, it is

2 Infruments-placenta-forceps, &c.

Manual affiftance is almost inadmiffible previous to the third or fourth months, Did C

FALSE LABOUR.

The secretion of the Bladder.

the she mad partially of

False labour (partus spurius) is generally erratic pains of the nature of colic.

CONVEL SION, CAUSES.

Convalled Convolution distributor action Collivenels, a northerno lexigran L

couled the later

and millow vi

2 Pressure on the intestines, beid oil

CURE assum y de sebilado si

as mountain our est of I. FIRST INDICATION ...

Costivene's is obviated by,

Laxatives administered by the mouth and a-

SECOND INDICATION.

(Asteinot)

- sorsial)

The pain is allayed by,

1 Opiates occasionally.

III. DISEASES DURING PARTURITION.

est ned to Sether by the next year of inches

.... I hobstere intaloinel and on

- Convulsion, in the second line is a second
 - 2 Flooding water or salbride out of all

PARTY BALLEY

- 3 Laceration of the Bladder, Perinæum,
- 4 Luxation of the offa pubis.

The bound of the teath of the parties of the control of the contro

CONVULSION.

Convulsion is involuntary muscular action.

Puerperal convulsion feems to be of the epileptic kind.

It for the most part takes place after the labour is considerably advanced.

The fits are frequent and very violent, and the mother is inconscious, even during their intervals.

CAUSES.

Convulsion evidently arises often from irritation.

1 Blood leftler,

The puerperal kind depends on, and is influenced by, arrangelis cheshen, rang flom all rol

- 1 Idiofyncrafy, giving peculiar fenfibitity,
- 2 Distension of the os internum.

PROGNOSTIC.

L'ODING!

Violent convultive action, especially during parturition, cannot exist without danger.

the exlated expresse arreries of the asorus CURE.

FIRST INDICATION.

This deferves much attention, and therefore delivery is to be promoted, as circumstances may require, by, and are week with about and adheres to the circumference of the es internant

- The hand, of is a company of the lever,

p-

ur

he

er-

- 3 The forceps,
 - 4 Turning.

SECOND INDICATION

Charles transmiss from wall

decomposity fudgently, final es This is answered by,

NO PUERPERAL PATHOLOGY,

- 1 Blood-letting,
- 2 Tepid bath,
- 3 Mild injections,
- 4 Opiates.

When the delivery is completed, the difease, for the most part, suddenly disappears.

Convelled widensty

a Discourage of the da arternum.

Flooding is uterine hæmorrhage.

Violent convertive action engineers to and convertions connect and convertions and convertions are also and convertions and convertions and convertions are also as a convertion of the convertions and convertions are also as a convertion of the convertion of

The dilated extreme arteries of the uterus chiefly,

CAUSE TERM

A separation more or less extensive of the pla-

This necessarily happens when the placenta adheres to the circumference of the os internum, (placenta prævia).

It thus appears, that flooding is of the nature of the discharge connected with abortion.

PROGNOSTIC.

Flooding is always dangerous, and often produces, very fuddenly, fatal confequences,

CURE.

FIRST INDICATION

The exciting causes cannot in general be obviated.

SECOND INDICATION.

This alarming event can only be checked by the contraction of the uterus permitting that of the bleeding veffels, confequently delivery is to be effected as expeditionally as possible.

It is fortunate when the dilatation permits pro-

The means enumerated under convultion are to be employed.

When the dilatation is small, the flooding excessive, and no pains, the delivery must be completed by adequate force.

Mean time, all exertion on the part of the patient is to be avoided as much as may be.

LACERATION OF THE UTERUS.

HERT PUBLICATION

Laceration or bursting of the uterus, a most disastrous event, is happily a rare one.

The manner and degree of it is various*.

It is alledged that the uterus has been torn from the vagina, (uteri Segmentum inferius a vagina avultum), by the hand introduced for turning being pushed too violently upwards.

PLENCK, Elem. Art. Obff. p. 129.

SYMPTOMS.

- I The fudden ceasing of the pains,
- 2. Alteration externally and internally,
- 3 Flooding,
- 4 Noise or crack.
- 5 Sinking pulse,
- 6 Cold extremities, 11 Quodia
- 7 Fainting.

the contraction of the names permitting that of of a visitob of CAUSES. Ability guilbold of

be effected as smediacontain, polifole

hevolute ed o

bus manualti and

- Original delicacy,
 - 2 General distention,
- ore gold Partial preffure manuel ancent off

- ve gnibrodi adi PROGNOSTIC. colive, and so pains, the delivery much be coin-

This disease is always highly dangerous, and often fatal. tent is to be evoided as much as may be.

CURE.

FIRST INDICATION.

This is answered by delivery, to be effected as taught.

A partial projection of the child permits of de-

livery.

After the child has fallen through the laceration into the sedomen, the uterus has been healed, and the foctus discharged by sheets, &c.

Sometimes it has become petrified, (lithopedia), and produced what is called perennial gestation .- Histoire de la Societe Royale de Medicine; annee 1776, p. 308.

. notabilis eucivdo

Durentien trop

the degree.

An entire escape of the child into the abdominal cavity, renders hysterotomy necessary.

SECOND INDICATION

After delivery, the hæmorrhage, &c. are abated, and the healing permitted, by,

- as al . 1 Anodynes, la banow no homerson!
 - 2 Cold.
 - 2 Reft.

LACERATION OF THE BLADDER.

Laceration or bursting of the bladder does not often happen.

CAUSES.

- 1 Distension.
- 2 Instruments---forceps, &c.

CURE.

FIRST INDICATION.

Attention to occasional causes is much unavailing.

SECOND INDICATION.

The healing is promoted by, Shirts and a semiliar of the state.

ma PUERPERAL PATROLOT

2 Suture.

LACERATION OF THE PERINAUM.

uch talwer, the immerciago, an area.

SECOND ENGLATION

Laceration or wound of the perinaum is an obvious affection.

CAUSE.

Diftension from

- 1 The child,
- 2 Instruments.

CURE.

sample of the state of the stat

FIRST INDICATION.

This may be adverted to, so as to moderate the degree.

SECOND INDICATION.

The healing or concretion is favoured by,

- 1 Soft dreffing,
- 2 Eccoprotics,
- 3 Laxative injections.

Suture is never admissible.

IV. DISEASES DURING POST-PARTURITION.

Diseases which occur during post-parturition, or within a month after delivery, are,

- 1 Inversio uteri,
- 2 Lochiorrhœa,
- 3 Ischuria,
- 4 Hysteritis,
- diller 5 Peritonitis, hand ad of or an and
 - 6 Cystitis,
 - 7 Maltodynia
- 8 Rhagas papillæ,
 - 9 Puerperal fever, mingos sind all
 - 10 Weed,
- 11 Milk-fever,
 12 Incontinence of urine,
 13 Mania,
 14 Hemiplegia.

1 INVERSIO UTERL

e siefre a mouro te le . a

Inversio uteri, or inversion of the womb, is realy a prolapfus.

AMPRICATIONA

This affection happens immediately after delivery, and before the uterus has contracted itself.

PROGNOSTIC.

Inversion cannot be mistaken for any other affection of the uterus.

MOLENSTER CAUSES UG SERVICE VI

- 1 Drawing by the chord or placenta,
- 2 Atonic condition.

CURE OF THE

es within a month at

FIRST INDICATION.

The causes to be obviated as much as possible

SECOND INDICATOIN.

The cure requires,

1 Reposition immediately effected by pressure in a just direction, which restores the proper cavity while the os externum is kept dilated *;

2 Retention; this results from the contraction.

LOCHIORRHOEA.

Lochiorrhœa is an excessive discharge of blood after delivery:

This haemorrhage is effentially of the paffive kind.

PROCMOSTIC

By observing these rules, I reduced an inverted uterus, after the attempts of Da David Seaves had been fruitles. The loss of blood had already been so great that the patient soon died.

The effect of fautatine applications is doubtful.

The fame with those of flooding.

The CAUSE ADDITION

Dengta veheall is quiting the difference of urne.

PROGNOSTIC.

Lochiorrhæa is dangerous according to quantity, which is easily accertained.

CURE.

FIRST INDICATION.

3 Non recreation.

This requires all possible attention.

SECOND INDICATON.

Relief is attainable, by

in the Court of the

- to have Stillness, and the best shallon ambie
 - 2 Anodynes,
 - 3 Cold *,
 - 4 Pressure on the hypogastrium,

Mcharia veheally in general to not a mortal ac-

5 Plugging up the os externum.

PIRET INDUCAMINA

^{*} Cold water, and even ice, have been introduced into the vagina and uterus, with advantage. Da Lear's difeates of women.

The effect of faturnine applications is doubtful.

The fame, with shole

ISCHURIA VESICALIS.

Ischuria vesicalis is a suppression of the difcharge of urine.

SYMPTOMS. 99

Pain about the puble, is and roided !

2 Diftension of the bladder (urocele),

3 Non-excrertion.

CAUSES. HIRBT-INDICATION

CURE

- Inflammation,
 2 Contuition, a siddle of the excusion and I
- 3 Atony. SECOND INDICATION.

Relief is attainable, by

Ischuria vesicalis in general is not a mortal accident, unless the bladder be much destroyed or ruptured.

muidire or tague or this to Purjaing up the or externum.

FIRST INDICATION.

The fulfillment of this must be founded on a

of themical, or mon as operate by internal de-

secured tanonisses

careful enquiry into the particular loccational cause.

SECOND INDICATION

The diffress is relieved by,

The catheter occasionally,

2 Puncture.

hom adt are montant

common the influence in the last state of the investment in the interest of the interest in the interest of the interest in the interest of th

Hysteritis is inflammation of the uterus.

About the third day after the action of the

Inflammation in every place, being effentially the same disease, and requiring the same means of cure, it is therefore proper to consider it in a general way, before we advert to specialities from situation, &c.

Inflammation is induced frequently, during

the puerperal state.

e Suppuration . RMOTAMYS slop of pus on pu.

- t Throbbing or pulfatory pain, a think to
- 2 Rednefs, web sile to nomanitately
- Swelling, desailed totte seminarroll street
- anar A Heat, se wei ganahuar antifirram an'th
 - 5 Fever.

CAUSES.

I Predisponent---plethoric, and vigorous habit, II Occasional---these are,

18. FUERFERAL PATHOLOGY.

1 Mechanical, or those that act by impulse, form, fize, &c.

2 Chemical, or fuch as operate by internal decompounding qualities.

III Proximate--inflammatory derangement-

PROGRESS.

About the third day after the action of the occasional causes, (the mechanical are the most common), the inflammation manifests itself by its symptoms, succeeding one another nearly in the specified order.

The local affection always precedes the fever.

The inflammation thus constituted, according to circumstances, takes one of the following

of cure, it is therefore proper as east for

TERMINATIONS. Tod . VAN LEDGE

1 Discussion or early disappearance, seaving the parts it had occupied seemingly unchanged as to form or function.

2 Suppuration, or the production of pus or purulent matter, commonly constituting an abscess or boil.

3 Mortification or the death of the affected parts, fometimes called fphacelus or sphacelation. The mortifying tendency is named gangrene.

PROGNOSTIC.

Discussion is plainly the most favourable termination, and next to it suppuration.

The refults of inflammation are, as,

The quantity,

2 The rapidity.

These bear a proportion to their causes. Besides these leading circumstances, the prognostic must also regard the situation.

a Sedanives

a Harriedk.

o Oxiates.

of the patential of the patient, in CURE. Congoli o

FIRST INDICATION.

The occasional causes are as far as possible to be checked and removed.

SECOND INDICATION.

tollumination of the dierus does not recur

The fymptoms are alleviated by antiphlogistics, viz.

THE PARTY OF THE P

Property of the brondensking I General;

- Blood-letting, oils to openquis
- 2 Cathartics, gronomete 4 4 4
- 3 Spare diet, 4 Dilution,
 5 Opiates, AND
- 4 Dilution,
- 6 Tepid bath,
- Coolnefs. ad at animal and solice
 - 8 Stillness. and year manualte advor

II Topicalis rainammalin localistar

1 Leeching, &c.

2 Poultice, fomentation, &c.

3 Sedatives --- ol. anodyn. &c.

These remedies ought obviously to be regulated by, notice nout allo reservating fluor

1 Habit of the patient,

2 Degree, of the disease.

3 Situation,

Discussion is always to be aimed at, and for this purpose the antiphlogistics ought to be applied early.

Inflammation of the uterus does not occur

fo often as might be expected.

chilipelidations vo isymptoms, emergen il selli

ionoral;

original many

te

PI

be

Market A. W.

- r Pain in the hypogastrium,
- 2 Hardness,
- 3 Tumour,
- 4 Heat,

5 Stoppage of the lochia.

6 Fever commencing with shivering.

CURE.

Discussion is always to be anxiously attempted. To the affection may be applied,

1 The tepid bath,

2 Opiates.

It is a great misfortune when suppuration enfues, because, independently of its bringing on ulcer of difficult cure, the organ is likely to be disqualified for impregnation.

Mortification of the uterus and furvival, feem

to be incompatible.

PERITONITIS.

Peritonitis is inflammation of the peritonæum, and more or less of the parts it invests.

When it affects the intestinal peritonæum it may be regarded as enteritis.

Leminus.

This inflammation occurs often.

SYMPTOMS.

CAUSIUS.

- 1 Pain, encreased by pressure and motion.
- 2 Swelling, 3 Hardness, 3 of the belly,
 - 4 Fever, preceded by thivering, &c.

CURE.

The tepid bath may be used externally and internally.

When the intestinal peritonæum is affected,

purging is a doubtful practice.

Anodynes have excellent effects: They may be given per anum in mucilage or milk,

. There is much reason to believe that this inflammation has often been mistaken for and treated as puerperal fever, afterwards confidered.

CYSTITIS.

o be inceimontable.

Cystitis is inflammation of the bladder.

Per ironicie is inflammation of the peritoscount, He WE SYMPTOMS. to atal to stom bon

- When it all the the idedinal personaum in 1 Pain about the pubis,
 - 2 Micturition, or dyfuria, with and
- 3 Tenesmus.

The Wasterson and

CAUSES.

SYMPHONE.

r Bain, encreased by a falling and Pressure by the head, or other part of the of the hells, The child; chardred ?

2 Instruments undextrously employed.

CURE.

The affected organ is favourably circumstanced to admit of the injection of **学,学科发展**文

I Tepid water,

2 milk,

- 3 Tepid mucilage,
- 4 ----- oil,
- 5 Anodynes.

MASTODYNIA.

Mastodynia is inflammation or boiling of the mammary glands or breast.

This affection is very frequent and distressing, and has a strong tendency to suppuration.

. CAUSE,

Imperfect excretion of the milk.

CURE.

The earliest and fullest use of antiphlogistics is necessary to procure discussion.

Suppuration destroys a large share or the

whole of the milk glands.

As foon as pus is discovered, it is to be discharged by a proper incision, in order to limit its production and effect.

RHAGAS PAPILLE.

Rhagas papillæ, or chapped nipple, is frequent, and often interrupts nurling.

CAUSE.

Teolic mucilage

d sincholawi

is modestion and effect.

Irritation of fucking and moisture frequently applied.

A degree of inflammation is excited.

the boiled to be CURE.

FIRST INDICATION.

The cause to be avoided as much as possible.

SECOND INDICATION.

Healing is favoured by,

- r Anodyne poultice,
- 2 Fine lint,

to Areal agues a continue

- 3 Wax liniment, 4 Cover, or hood.

This last is at least a useful protecting application. or a minimum office of the aread the charged by a proper friction, in order, to .. .

PUERPERAL FEVER.

A general view of fever may be taken, as introductory to the confideration of the puerperal kind of it.

DEFINITION.

Fever is a lesion of all the organs and functions.

SYMPTOMS.

Irregularities of

- 1 Strength,
- 2 Circulation,
- 3 Temperature,
 4 Respiration,
 5 Sensibility

 - 5 Senfibility, 6 Reasoning,

 - 7 Sleeping, 8 Secreting,
 - 9 Excreting.

The commencement is very constantly marked by trembling, shivering, or a sense of coldness (horror and rigor).

KINDS.

trans a Transfer of the rath

Herman Johnson

HAMPINET STATE

Fever is,

- 1 Idiopathic,
- 2 Symptomatic. enkinet ga

Idiopathic fever is,

- r Continued,
- 2 Intermittent,
- 3 Remittent.

These distinctions are important, because they affect the method of cure.

The following remarks refer to idiopathic continued fever.

REMOTE CAUSES.

all represents

- 1 Febrile poison,
- 2 Heat,
- 3 Cold,
- Moifture,
- 5 Passion.

The first is most powerful and frequent.

MODIFICATIONS.

The principal modifications, complexions, or tendencies of fever are,

- Inflammatory,
- 2 Typhus,
- 3 Putrid.

These result chiefly from the habit,

Inflammatory fever appears in the fanguine subject, and the symptoms are strongly marked.

Typhus, commonly called nervous fever, has the fymptoms in general more moderate than those of inflammatory fever, but its duration is longer. tremtueles in p

m n.A.

Putrid fever upon the whole refembles typhus. It is in fact nervous fever of a bad kind, or having the putrescent tendency.

The state that may be called putridity seems

to be incompatible with life.

Politeciana nichana The fymptoms of the putrescent condition are,

1 Fector, like that of putrid substances,

2 Blackness of the mouth,

3 Loose blood,

4 Paffive hæmorrhage,

with and the live Petechial spots and vibices,

6 Great weaknels.

Perhaps fever feldom or never from the beginning is putrescent.

This condition feems often to be the creature

of the febrile course.

It may be connected with the inflammatory as well as the nervous kind.

PROXIMATE CAUSE.

An alteration of the animal structure or compound, produced by the remote causes, the state of the second second second

CURE.

The table year a land to the distance of the same to make the

FIRST INDICATION.

The removal of exciting causes at least is clearly proper, and is partly effected by,

- I Ventilation.
- 2 Bathing,
- 3 Cleanliness,

SECOND INDICATION.

The inflammatory condition is moderated by,

de la sanctual de attit

all to decimal a

STATE OF STA

TITE CHE TOWN DONORSHIP

Line raigh burbanes o

of Christ wondrieft.

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b

chapted simul y

- 1 Blood-letting,
- 2 Cathartics,
- 3 Spare diet,
- 4 Coolness,
- 5 Diluents,
- 6 Tepid bath.

The putrescent tendency is counteracted by,

- 1 Dietetics.
 - 2 Wine .
 - 3 Acids +.
 - 4 Peruvian bark,
- *Kosmifs, a vinous liquor prepared by the Tartars from marcs milk, is likely to prove vety falutary during the patrid tendency. A differtation on this fingular production, by Dr Gazeve, physician in Moscow, is given in to the Royal Society of this city.
- † Dr Grieve informed me, that he prefcribed a very liberal use of vinegar, during a putrid sever, which prevailed upon the borders of Russia, with the greatest advantage. The mode was, drenching cloths in it, and applying them very generally to the surface. He imputed his success chiefly to the coolness arising from its temperature, in the first instance, and from its evaporation afterwards.

- 5 Diluents,
- 6 Laxatives.
- 7 Sedatives.

Food is the most powerful antiseptic.

When fever is purely typhus, shewing neither the inflammatory nor putrid fymptoms, a middle course as to the cure may be steered.

It feems to be afcertained, that the usual career of continued fever is not eafily shortened; therefore regulating, moderating, and circumscribing the tendencies and fymptoms, is perhaps the utmost that the physician can effect, or should attempt. With a View of the large of the little of th

Puerperal fever generally invades within two or three days after delivery.

Some authors have regarded it as always in-

flammatory, others as putrescent. Histories and diffections shew, that it sometimes is the one, and fometimes the other.

The duration is various, often extending to

ten, twelve, or fixteen days.

For the most part, there is pain and evident affection of the abdominal parts. On this account, it is probable, that fever symptomatic of peritonitis, &c. has often been confidered as idiopathic.

It is not likely that, in any instance, it has

which when she has mission of F

confirm of the properting testerion.

been epidemic.

CURE.

It is evident, that the remedies must be governed by the tendency, as taught.

The second of the same of the second of the WEED.

The weed, or ephemera, is a fever or feverish state of short duration, often disappearing within the space of one or two days.

Its invafion is always marked by shivering. It often feems to be fymptomatic.

cur sinilar a horri CURE. I ma l'Impirant.

The remedies are to be fuited to its

- 1 Tendency,
- 2 Degree.

MILK-FEVER.

the decident is vertically close extending

Milk-fever, or febris lactea, appears about the third day after delivery.

> STATE AND ASSESSED. nation from the second

CAUSE.

The alteration of the milk-glands, in confequence of the preceding fecretion.

This disease may safely be considered in general as fymptomatic, or at least verging to the inflammatory state. Indeed mastodynia is sometimes produced.

CURE.

the district who committee that the control of the

Profit part referred.

FIRST INDICATION.

This is partly answered by carefully sucking or drawing off the milk, distending and irritating the excretory ducts.

SECOND INDICATION.

The fymptoms are foftened by

Antiphlogistics generally and locally applied.

INCONTINENCE OF URINE.

Incontinence of urine is a very incommoding accident.

CAUSE.

Injury of the bladder and its sphincter, inslicted by, May is production be referred in

Inftruments.

16

e-

- of the state of the leading of the state of the state of the leading of the state of the leading of the state of the leading of the state of the s

The injury is repaired gradually by the healing power, and the function of the bladder for the most part restored.

CURE.

FIRST INDICATION.

This has obviously no place.

SECOND INDICATION.

idea outrant

Alleviation is obtained, by,

- Louise to Tonics locally.
 - 2 Jugum.

MANIA.

Mania, infanity or madness, occurs now and then after parturition, and seems connected with it.

CAUSES.

It is difficult to point them out. May its production be referred to,

r Changes in the fystem of the vena porta-

2 Matter absorbed from the uterus;

3 A lesion of the lensorium, from the violent exertion during parturition.

It may be fymptomatic of inflammation.

CURE.

Scillegies

Laxacour

FIRST INDICATION

Causes to be investigated and obviated.

SECOND INDICATION.

According to habit, &c. relief may be gained by,

Antiphlogistics applied in due degree.

Soluble tartar has been recommended as an alterative and laxative, peculiarly ufeful.

HEMIPLEGIA.

Hemiplegia is of the nature of apoplexy. It is unfrequent.
Palfy of one fide is prefent.

CURE.

Antiphlogistics in the beginning at least may be useful.

pitration of the

B b 2

Monter abliabed from tile uterus; V. DISEASES DURING INFANCY

exertion during parturition. The principal infantile diseases are, It may be being tomatic of inflatmention.

Of the second se	C-2000
1 Stillne	10

- 2 Fracture, AAUO
- 3 Laxation.
- 4 Contusion DIGIMI TENIT
- s Ecchymolis,
- Caufes to be investigated adias del.
 - 7 Cleft-palate
 - 8 Tongue-tying avenue
 - o Imperforated anus,

According to TRANSPORT Weethra, or pribrook

- 11 nose,
 - 12 Thrush.
 - 13 Jaundice, boilgos and goldgital.
 - 14 Rash.

 - 15 Fever, 16 Rofe, word and rates adduloc ry Purging, and towners bein wines
 - 18 Colic,
 - 19 Rupture,
 - 20 Syphylis,
 - 21 Weaning-brash,
 - 22 Atrophia,
 - 23 Hydrocephalus, los massicionali
 - 24 Dentition.

STILLNESS.

Stillness, or asphyxia, is a temporary suppresfion of the functions, or a partial and feeming privation of life.

centle prefinge.

Tent dams T

AIZYDIAGNOSTICITOTA

Stillness, otherwise self-evident, may be mistaken for death, which often happens a little before or during parturition.

Previous death is generally marked by.

- Fætor of the liquor amnii, 2 Difcolouring
- 3 Lividity,
 - Delogramy of the head was applied
- 5 Excoriation.

EXCITING CAUSES.

- I Compression of the head that a ball a
- chord, bleesing
- 3 Racking of the trunk,

PROXIMATE CAUSE.

A lesion of organization.

Meganic abligation caused by bollradion DISTINCTIONS.

According to the causes which have acted, asphyxia is,

- 1 Apoplectic,
- monte Mephitic, and appropriate married?
- 3 Vulnerary, account projects and the thirtheath was

APOPLECTIC ASPHYXIA.

Afphyxiz is apoplectic when induced by compreflion on the head. The dader attach for entit and it will plan a strain to grain of the strain of the contract.

FIRST INDICATION.

Deformity of the head may be reclified by gentle pressure. t Excortation.

section and the second SECOND INDICATION.

Relief is attainable by to sould remod it

- 1 Bleeding from the chord or jugular veins,
- 2 Tepid bath

MEPHITIC ASPHYXIA. HODELA

PROXIMATE C

01

the

into

Mje

Mephitic alphyxia is caused by obstruction of the umbilical chord.

CURE

FIRST INDICATION.

Service Property Control

The compression is to be removed as soon as possible. A SECTION AND

SECOND INDICATION.

Rajiel mer bedypooled mann.

Alleviation is procured by

I. Promoting respiration by instating the lungs with pure air, while the head and neck are in an unconstrained and exposed attitude.

Il Supporting the vital temperature by,

- 1 Warm flannel, and houself and not their daille
- 2 Tepid bath,
- 3 Warm injection into the stomach, &c.

III Stimulants.

- 1 Heat,
- 2 Æther,
- 3 Spirit.

VULNERARY ASPHYXIA.

the state battle state of the state

Vulnerary asphyxia, is brought on by racking or undue drawing.

CURE.

FIRST INDICATION.

As little force as possible to be employed in the delivery.

I have invented an apparatus for throwing pure air immediately into the lungs. It is simple and convenient. It serves likewise to siped topid water, &c. into the stomach and rectain.

SECOND INDICATION.

Relief may be expected from,

1 Blood-letting, especially if any distention or rupture of the veffels be evident or suspected;

2 Relaxed posture; and the same timp time

2 Emollients, poultice, &c.

To procure revival of the still-born child, is an important business in the eye of philanthropy, which will not be stinted in its efforts and perfeverance.

Success gratifies the finest feelings of the human breaft.

District mountains 2 FRACTURE.

The South that Sign of the state with

TOST

Spani.

cruedue drawing.

Peller,

Fracture of the bones of the limbs is induced by violence during delivery.

CURE.

The cure demands,

1 Reposition, Tally

2 Retention.

de little force as pullbake to be countried in 3 LAXATION.

MOCKACHOWILLINGS TO CANDON

Laxation, or diflocation of the bones of the limbs, like fracture, is the effect of violent delivery. estaining the told.

A 170 CURE.

The cure requires, an illawito anomy do I affects the fealp and face, &c. during lingering

- 1 Reduction,
 - 2 Retention. HRUD

Caufes to be obviated as much as possible, 4 CONTUSION.

WALLEY TRAIT

SECOND INDICATION. Contusion or bruising, is induced by the presfure or action of the lever, forceps, &c.

Contusion, easily discovered, consists in a distraction of the folid, and a proportional congestion or extravalation of the fluids? 1 2 3 Emollients.

CURE.

FIRST INDICATION.

Causes ought to be avoided and obviated.

The state of the s

The fullfilment of this, especially when inflammation appears, requires,

- This requires, this requires, I Leeching,
- 2 Poultice. le bruow of it noffrence 1 storm favourable

the ery.

5 ECCHYMOSIS.

Ecchymosis or swelling, and often discoloration, affects the scalp and face, &c. during lingering birth.

S Retention GURE . nothing a

FIRST INDICATION.

Causes to be obviated as much as possible.

SECOND INDICATION.

Contulion or hauling, is induced by the melfure or adion of the lever, force shaemed wife

- Contumen, eathy discovered, confilts in a difraction of the folid, and agnidood that con-
 - 2 Poultige of the addition of the spillor
 - 3 Emollients.

CURE.

Caufes ought to HARELIP obviated.

FIRST INDICATION.

Harelip is a frequent deformity, which, by preventing fucking, proves very destructive.

The fullfilment of this effectable when inflammention appears, required.

This requires,

the one Walle 18

r Conversion into wound of a form favourable

1 Lecching,

2 Re-union procured by combining the twifted and falle futures trains

This plan may be aftempted carly and sall feiflers, guarded; at the points by a fit filve

7 CLEFT PALATE.

Cleft palate is a perforation or flit of the palate, giving an unufual communication be-

This affection has the fame effect as hareling to the nature of which it is much affied: Indeed. they are fometimes both present at once †.

CURE.

When the deficiency is small, attempts may be made to obtain concretion.

When this is impracticable, on account of largeness, a temporary relief may be obtained by a plug of sponge, &c. coponec.

8 TONGUE TYING.

Tongue-tying is a deformity of the briddle of the tongue, (frænum linguæ), hampering the forward motion and preventing sucking.

Company of the state of the second

charge of uring, occurs feldom * Systematic Elements of Surgery.

⁺ Systematic Elements of Surgery.

e Resenton procured by combining the twift-CURE sombul oller beg in

The frænum is divided fafely by a pair of finall fciffars, guarded at the points by a flit filver plate *.

9 IMPERFORATED ANUS.

TALLAG MATA

The want of an anus, or orifice of the inferior extremity of the intestine (anus imperforatus), is eafily discovered, of all plans of the street of the

new are forteringed but a protein at once +. CURE.

CURE TOLLING Cautious incision or perforation is necessary. then the deficiency is facult, attempts may

of homes, & &

This is kept pervious by,

- July a ve homesto selvem triler procesurit a sien
 - 2 Sponge,
 - 3 Bougie.

10 IMPERFORATED URETHRA. deregate, (respect tingues), hampering the ide-

and the second of the second policy of the second

and the second

Imperforation of the urethra, hindering the difcharge of urine, occurs feldom.

^{*} Systematic Elements of Surgery, The Systematic State of Surgery,

tion. (erribelas).

ed the

dom provos faral.

en liver to la la march en l'

The right appears a few days after birth, and feoms to be connected. RRUD a diffused inflamma-

This is obtained by, to it owners and W

Incision.

noinsire darket

II IMPERFORATED NOSE.

Imperforation of the nofe, or the absence of the nostrils, is rarely met with ...
It prevents sucking.

CURE.

MODERATION.

Incision may be attempted.

12 THRUSH.

The thrush is an aphthous or ulcerous state of the mouth or throat, (fauces).

This is faid to extend along the whole of the alimentary canal, at least it is visible at the anus. The white crust is of various thickness.

I met with an instance in which there seemed to be a total want of the cavity of the nose. The incision was therefore impracticable.

The thrush appears a few days after birth, and feems to be connected with a diffused inflamma. tion, (eryfipelas).

When extensive it excites fever, and not fel-

dom proves fatal.

CAUSE.

The exciting cause seems to be the irritation of the

> I Air. CITANOSSING II 2 Food.

he postorution dathe redesert the advance of the CURE, tom planer at another 'is previous fucking our of the third

FIRST INDICATION.

Causes to be anxiously avoided and obviated,

SECOND INDICATION.

The fymptoms are foftened by,

- 1 Emollients,
- 2 Borax, and the as a word of a 3 Opiates, and a second to depart of

STATES CALLED THE STATE OF 13 JAUNDICE.

Lincoln of Mair of M. Assl. is demanded in

Jaundice, (icterus) is commonly called the yel-

The faid to exend about it to

The white credit is various this

low gum, because it gives a yellowness of the furface.

"The fyingtoms conormants foon as the pro-

- 1 Yellowness of the surface.
- 2 Sluggishness
- 3 Costiveness,
 - 4 White fæces abound,
 - 5 Yellow urine.

Rash, commonly called the red gum e, is an effloreferate or a prisuprisuad of or lefs care of

Whatever blocks up the gall ducts or prevents excretion of the bile, may be an exciting cause. Is the alteration at birth of the blood's transmission through the livers to be considered as concerned in giving rife to infantile jaundice?

PROGNOSTIC.

the product of the second of the second

This disease is transient and seldom dangerous. CUEE.

3 Acrid matter.

CURE. FIRST INDICATION

FIRST INDICATION. Leciting cities require removal.

Obstructing causes to be carefully investigated and obviated by TADIQUI CKOOU?

I Food of fuited quality, boff he ai sidT

el.

2 Laxatives,-magnefia, &c. Torres's It in tyles and Practice of A. Brillar, pourt at the

国民国教员中

SECOND INDICATION.

The fymptoms disappear as foon as the productive cause has been removed.

1 Vellownels of the further,
2 Sluggift streets,
3 Coffivenels,
White free Halownels,
5 Vellow unine.

Rash, commonly called the red gum *, is an efflorescence or eruption more or less extended over the skin.

It feems to confift in a proportioned inflammation; at leaft, this is connected with it no target

milion through the castidered as concerned in giving the to infantile joundice?

- I Exposure,
 - PROGNOSTIC. , slard 2
 - 3 Acrid matter.

This difease is transient and seldom dangerous.

FIRST INDICATION.

Exciting causes require removal.

Obflynching cautes to be carefully investigated and obviated MOITANIONI DNOOSE,

Correctly countries of collections

g

This is effected by scup bested to book a

Posten's Principles and Practice of Midwifery, p. 313.

- 1 Laxatives,
- CURE 2 Tepid bath.
- 3 Soft dreis, moitemahai ar gaise sid?

15 FEVER.

FURGING Infantile fever is frequent on account of peculiar finfibility, at a fre migrafi the intant, and often asymptotal allection.

Irritation on the intestines, &c.

Improper food, praducing indigethion, flatte lence, acidity, &c.

> ald orderling tales a Magnette

nagement already (accined."

FIRST INDICATION.

The utmost attention is to be directed to the removal of caules.

Attention to the exciting cause is indiffer-SECOND INDICATION.

This requires, according to habit,

- I Bleeding by leeches, and within one II
- 2 Gentle purging,
- 3 Tepid bathing,
- 4 Opiates.

16 ROSE.

Rose, or erysipelas, is a superficial inflamation, often shifting its place, and becomes sometimes general over the fkin.

CURE.

L'ANSENTE.

Prince Memori Section

This being an inflamation it requires the management already specified.

17 PURGING.

Purging, or diarrhoea, is a frequent disease of the infant, and often is a mortal affection.

EXCITING CAUSE.

Improper food, producing indigestion, slatulence, acidity, &c.

CURE.

FIRST INDICATION.

Attention to the exciting cause is indispen-

SECOND INDICATION.

Here acidity is corrected by antacids.

- r. Alkaline falt,
- 2 Magnefia,
- 3 Chalk,
- 4 Animal earth.

Dr Unprawoop has marked erylipiles frequently as a fatal diffeafe. Plis practice in it feems a good deal problematical. See his Diffeafes of Children.

PUREFERAL PATROLOGY.

tritation is distributed by the part of it

- per-beil y Bland animal food most and to met
 - a Mucilaginous injections.
 - 3 Opiates. 33 UA)

2 Straining Sallos Branches

Colic, or gripes, frequently torment the in-

Palliation ic leafaguan complete cure is ci-

- r Flatus, 3 ... Story Jones . Story ... Story
- 2 Britation, released 2

Paragon CURE

FIRST INDICATION.

adi of notice a Causes to be diligently removed.

Shido SECOND INDICATION.

This requires,

(holates

- . done a Carminatives, which ad your viscoustill
 - 2 Laxative injections,
 - 3 Opiates.

DEPLANTA

19 RUPTURE

"The variage gall is villed distribute Rupture, or hernia, is common in the male infant.

Dd 2

212 TRUERPERALIPATHOLOT.

It is of the congenial kind, and confequently the contents of the gut are admitted to the bottom of the fcrotum; hence it is called wind-rupture, &c.

CAUSES . 2015inO 2

- r Crying,
- 2 Straining OLIO 81

Colic, or gripes, Hequently terment the in-

r Marus.

This requires.

Opinion.

Palliation at least, often complete cure is obtained by,

- r Reduction.
- 2 Bandaging giving retention.

MOTE SYPHILIS

The Syphilis, or effects of the venereal poison, is often communicated to the unborn child.

CURE.

Mercury may be fafely administered, as taught.

21 WEANING-BRASH.

The weaning-brash is violent diarrhoea, or purging, frequently producing vomiting, wasting. &c.

2 4 1

CAUSES.

THE TWOMENTON round while Early weaning, coases whenis A 2 Improper food.

SECOND INDICATION. CURE. Relief may be acquired o

FIRST INDICATION.

r Spited food attentively given. The removal of causes is highly interesting.

2 Street

lufpected.

the bead.

i noisurfid SECOND INDICATION.

This demands according to circumstances,

- 1 Restoration of the nurse's milk,
- 2 Digestible nutritious food *,
- 3 Opiates. Hydroccohalus, is, commonly, named

calily difeovery

the formary mentioned, this kind of dro 22 ATROPHIA.

Atrophia is a washing or shrinking of the flesh, often going on to very complete emaciation.

CAUSES. d internal Hedracephylin is

- want of food, milk, &c.
 - 2 Weakness of the stomach, &c.
- 3 Obstruction of the glands of the mesentery, producing a large and hard belly, (tabes mesenterica).

^{*} The gruelly or meally food, with an admixture of fugar, is the most improper that could be devised.

CURE.

FIRST INDICATION.

A timely removal of causes is highly important.

SECOND INDICATION.

Relief may be acquired by,

Service March

s Suited food attentively given.

2 Cordials to invigorate the bowels-wine, spirit, &c.

TOTA OF THE TAIL OF

3 Slight mercurial doles, when obstruction is fuspected.

HYDROCEPHALUS. MINISTER I

Hydrocephalus is commonly named water in the bead.

As formerly mentioned, this kind of dropfy may be,

1 External, or under the scalp and without the fkull:

2 Internal, or within the brain.

External Hydracephalus is eafily discovered, and disappears for the most part spontaneously. If not, of threakeeth or the though

Sand Server of the section of the section of

Divine of theory said manager Bur

Total Indication, similar of the transport holder

2 Scimulants, The Date of the State of the S

may be necessary:

The internal kind is the most alarming.

SAL TO THE SYMPTOMS. IT I DIES IN THE

1 Isregular pulse, at first strong, and afterwards quick, or febrile:

2 Vomiting, especially in the beginning;

- 3 Duliness of fight, and at last almost a total loss of it;
 - 4 Sleepiness and inattention :
 - 5 Costiveness:
 - 6 Large head;

- 1 Rickety head,
- 2 Violence, stroke, fall, &c.

CURE.

FIRST INDICATION.

The removal of causes is too often impossible

SECOND INDICATION.

This is attempted by,

- 1 Blooding at the temples with leeches when the child is strong and the face and eyes red
 - 2 Purging with fweet mercury, &c.
 - 3 Bliftering,
 - 4 Mercurial frictions largely applied .

This disease appears to me to be incurable . I have never seen one case of it in which I could say a cure had been effected-Since authors. are of opposite sentiments an attempt may always be made.

SPINA BEFIDA. LERTON ONL

Spina befida is a round fwelling on the spine generally at the loins.

It exists before birth, and partakes of the nature of Hydrocephalus internus.

DENTIFION bus absaided A

later a front Latin boa Land lo footbolle (1 ;

Dentition, or teething, is fever, and frequent. ly purging during the cutting of the teeth,

t Collivenology

re lainaute & Lit

A LANGE LANGE

CAUSE A VISADIA

Irritation of first that the low of

CURE.

FIRST INDICATION.

This is exceedingly important and may be promoted by.

SECOND CONCATIONS

Incision of the gums.

SECOND INDICATION

This may require,

- wine the second the second to 1 Bleeding.
- 2. Tepid bath,
- 3 Opiates, y are the contract to the state of the state

THE END

EXPLANATION of the PLATES.

o Ardevier feeling towards the es escrypia.

PLATEL

begate Who bound of the palvin in their fire.

Fig . The	2. 4. 14. 4. 14. 14. 14. 14. 14. 14. 14.
Fig. 1. The os innominatum.	our to mbill one
A Os ilium,	1.1.1.2.2.2.1
	on Acualicia, or
A Anterior superior sp	mous process.
BB Spine,	
	HER SHIP THE TAUT SHIP
c Inferior spinous proc	ceis,
D Ischiatie notch.	
E Articular furface,	
F Linea innominata,	[1] 中国中国的社会和自己发展的
B Os pubis,	o week a suit
D os brings,	To supplied and
A Large ramus,	
B Small ramus,	TOWNSHIT HE
Dinail Tailius,	ca Oblique
E Spine,	
c Creft.	
	Van a. A. silw o
C Os lichit, Factor and	
A Tuberofity,	An Confunction
	Sharings Tag
B Spine,	
c Ramus,	6 30 NO 00
o Thyroid hole.	
THE REPORT OF THE PARTY OF THE	

Fig. 2. The os facrum,
A Articular furface above the promontory,

BB Part of the brim of the pelvis, CCCC The original pieces or false vertebræ, DDD Junctures of the false vertebræ, EEE Holes,

r Articular furface towards the os innominaum.

G Articular furface towards the os coccygis.

Fig. 3. The os coccygis.

Fig. 4. The bones of the pelvis in their fitu-

AA Posterior symphysis,

B Anterior symphysis,

CCC Brim of the pelvis,

DD Acetabula, or cavities for the heads of the thigh bones,

E Arch of the pubis.

PLATE II.

Fig. 1. A view of the brim of the pelvis.

AA Conjugate or short

BB Transverse or long

CC Oblique

diameter.

Fig. 2. A view of the bottom of the pelvis.

AA Conjugate
BB Transverse
CC Oblique

diameter.

PLATE III.

Fig. 1. A view of the brim of the distorted pelvis, by BAUDELOCQUE.

BB Transverse diameter lengthened,
DD Diagonals proportionally affected

Fig. 2. A view of the brim of the distorted pelvis, by BAUDELOCQUE.

AA Short diameter increased,
BB Long diameter shortened,
CC Diagonals proportionally affected.

PLATE IV.

Fig. 1. The Uterine fystem, by HALLER,
AA Ovaria, the left one enlarged,
BB The Fallopian tubes distended,
CC Fringed extremities of the tubes,
DD Body of the uterus cut open,
EE Uterine cavity,
F Os internum,
GC Ligamenta lata,
HH Vagina cut open on its posterior side,
1 Urethra,
K Clitoris,
LL Nymphæ,
MM Labia.

Fig. 2. A view of the os internum and part of the vagina, by HALLER,

A The Rima,

BB Vagina.

Fig. 3, A view of the os externum, from HAL-LER,

and a Charletail a few and

· Service States who had be

AA Labia, B Clitoris, D Hymen of a femilunar form

Fig. 4. A view of the os externum, by HAL-

a Labia,

B Clitoris,

C Urethra,

DDD Hymen of a circular form.

Fig. 5. A view of the os externam,

AA Labia,

Clitoris. many sained will at T.

c Urethra, and find self stitle O AA

BANK MENT M

D Hymen large and femilunar,

PLATE V.

to what we all the first of the whole all

A vertical section of the uterus, containing the child at the commencement of parturition, as large as the life, by ALBINUS.

AA The substance of the uterus, containing the numerous orifices of the cut vessels of vari-

ous fizes.

A The umbilical chord about the child's neck, the head prefented and the limbs folded and croffing one another.

B The chord appearing below the arms and

diffected through its remainder,

cccc Umbilical arteries,

DDD Umbilical vein lying between the arteries, EEE Placenta, made up of the umbilical veffels, and adhering to the fundus uteri. coe The amnios and its continuity with the

cuticle of the child's body.

furface, and interior to the placenta, and its continuity with the true skin of the child's body.

N. B. These circumstances are not represented by Albinus.

The space between the child's body and amnios is occupied by the liquur amnii or waters.

PP Os internum fornewhat dilated, cc Part of the vagina.

of PLATE VI.

A vertical section of the uterus at the commencement of parturition, with the placenta adhering, as large as life, by ALBINUS.

AAA Substance of the uterus,

BBB Uterine furface, old set han .mird on.

d

cc Os internum, fomewhat dilated, Doubled.

DD Portion of the vagina,

EEEE Placenta adhering to the fide or cavity of the uterus.

on the furface of the placenta which regards the child.

GGG Umbilical veins, likewise ramified, H Cut extremity of the umbilical chord.

PLATE VIL

Fig. 1. A vertical and lateral fection of the uterus, vagina, and pelvis, exhibiting the child, with its head in the cavity of the pelvis, the face

lodged in the cavity of the os facrum, the vertex presented, and the forceps applied—by BAUDELOCQUE.

fir

tu

fr

b

th

Fig. 2. The full-fized feetal skull in a side view---by Sue.

N. B. The divinerance on

PLATE VIII.

Fig. 1. A vertical and lateral fection of the uterus, vagina, and pelvis, exhibiting parturition in the same progress as in the former plate, the child's face turned somewhat to the side of the pelvis, and the forceps applied-----by Baude-Locque.

Fig. 2. A vertical and lateral section of the uterus and pelvis, exhibiting the child's head in the brim, and the forceps applied-----by BAU-DELOCQUE.

PLATE IX.

Fig. 1. A lateral and vertical section of the uterus and pelvis, exhibiting the child's head in the brim, the face turned to the mother's side, and the forceps applied—by BAUDELOCQUE.

N. B. The form of the locking part of the forceps and the handles, is original.

Fig. 2. A vertical and front fection of the uterus, representing a face-presentation, and the lever applied to the occiput, and the operator's ingers to the face-byBAUDELOCQUE.

N. B. The form of the lever is somewhat altered. It is supposed to be the living one.

PLATE X.

Fig. 1. A view of the forceps locked, as in fig. 1. pl. ix. applied to extract the head, the face

turned to the fide of the pelvis.

In the handle of the forceps is a screwed nail with a broad head, which prevents the instrument from opening, during the operation, beyond the requisite degree.

A contrivance of this kind ferves as a cephalometer, even when the head is entirely above the

brim.

Fig. 2. A view of the forceps used to extract the head, when the face is turned to the concavity of the os facrum.

PLATE XI.

Fig. 1. A view of the living lever without its covering, in order to explain its mechanism.

AA Jointed pieces which admit of inward

flexion.

BB Two strips of steel riveted to the piece at the point, stretching along the joints lodged in a groove,

to the handle, and are there connected with the broad headed ferewed nail, e; which, by being turned, gives the requifite flexion and extension.

on A grooved piece of fisel or filver to be occasionally tied upon the point of the lever, which converts it into a reductor for replacing the umbilical chord.

Fig. 2. A fide view of the living lever properly covered, a ribbon fixed near to its handle, which may be employed as a fulcrum.

The dotted lines hew this lever when it is near-

ly in its extended frate,

Fig. 3. A view of the universal pelvimeter, with its scale of inches and eights, and slider.

The dotted lines flow the manner in which the feale is moveable to render the pelvimeter conveviently portable.

Fig. 4. A view of the female catheter, with a scale of inches and eights, by which it becomes a pelvimeter as to the short diameter.

Fig. 5. A view of the lever, its handle uppermost, and a shallow cup-like piece of wood or metal fixed upon it, to be properly stuffed, by which it is occasionally converted into an impellens.

Fig. 6. A view of the flexible crotchet.

of it to some advantages by first to the

Fig. 7. A view of the flexible blunt-hook, ...

100

Fig. 8. A view of Dr Denman's perforator.

PLATE XII.

Fig. 1. A view of the air-piffary.

AA The inflated small bag or bladder, provided with a valve, to prevent the escape of the air.

BB The flexible tube, for procuring the inflation to the requisite degree.

Fig. 2. A view of the flexible faw; one of the handles, by means of a hook, is removeable, to favour its being applied between or behind bones.

A cutting edge, instead of teeth, gives a flexible knife.

Fig. 3. A view of an apparatus for injecting air, &c. into the lungs, stomach, and rectum, and for

extracting the fame.

AA An elastic bag provided with a valve B, which occasionally, by a lateral opening, admits pure air. To its extremity is accommodated a slexible filver tube cc, to be introduced to a proper degree into the glottis, &c.

Fig. 4. A view of the Embryotomy knife, with its blade projected. This, when the finger is retired, is retracted entirely within the filver case, by means of a spiral spring, as represented in

Fig. 5. Which is a longitudinal fection of the exterior case.

Fig. 6. A view of the finger-scalpel.

FINIS.

Fig. 8. A view of Dr Dewaran's perforaint.

agic for the state of the state of the state of TALL XIL

. Who are A view of the air pillary. wa The innared finall bay or bladder, provided with a valve, to prevent the escape of the air. es The lexible tabe, for proceeding the inflation o the requifire degree.

a. A view of the flexibil lawy one of the andles, by means of a hook; i comoveable, to wome its being applied between or behind THE PART OF THE PARTY AND THE

A curting edge, inflead of teet is given a flor side

Medidenzo

for injecting alr. drectum, and for

ha valve a, which detents pure air. is its extrement of economic dated a ficable in-r tube ce, to be introduced in a proper de-recture the clotte, &c.

Fig. 4. A view of the Embredery knife, with its ded projected. This, when the hinger is regited, is retracted, underly within the flower cale, by means of a faired spring, as represented as

Fig. 5. Which is a longistim at helion of the exterior cafe.

Fig. C. A view of the figer fields.

PINIT A

ERRAT.

The reader is intreated to excuse and correct any errors of the press, of which the following are the chief.

P. L.

28 16 for circular, read lobular.

175 23 for prognostic read diagnostic.

ERRAT

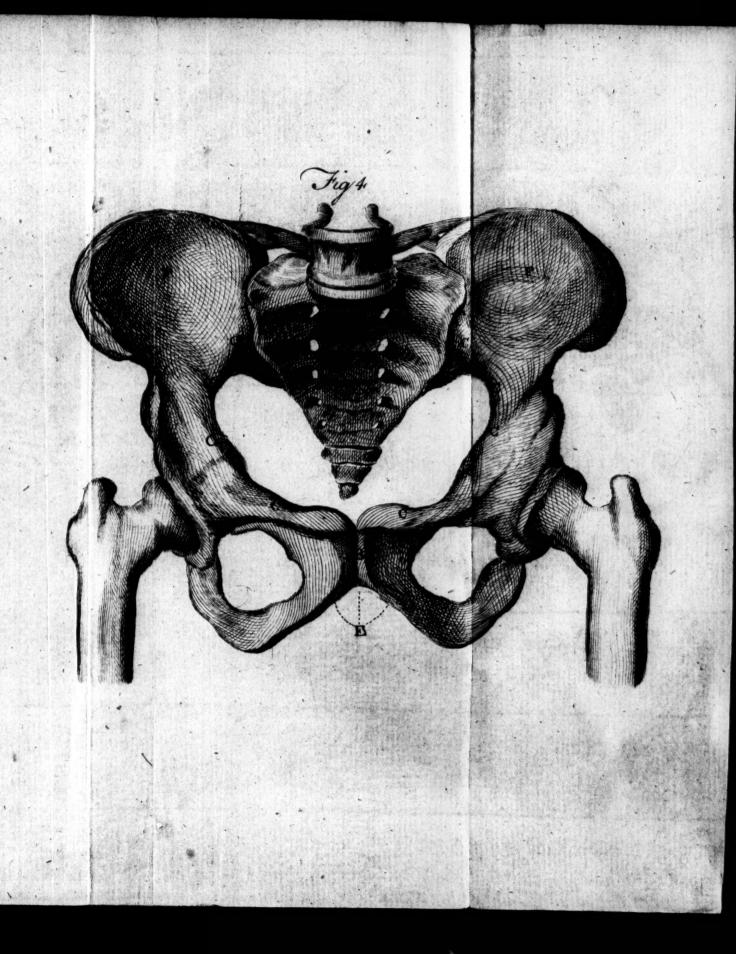
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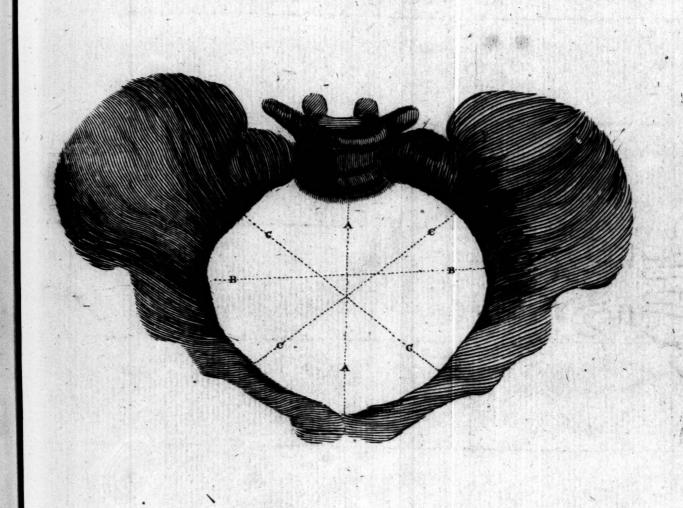
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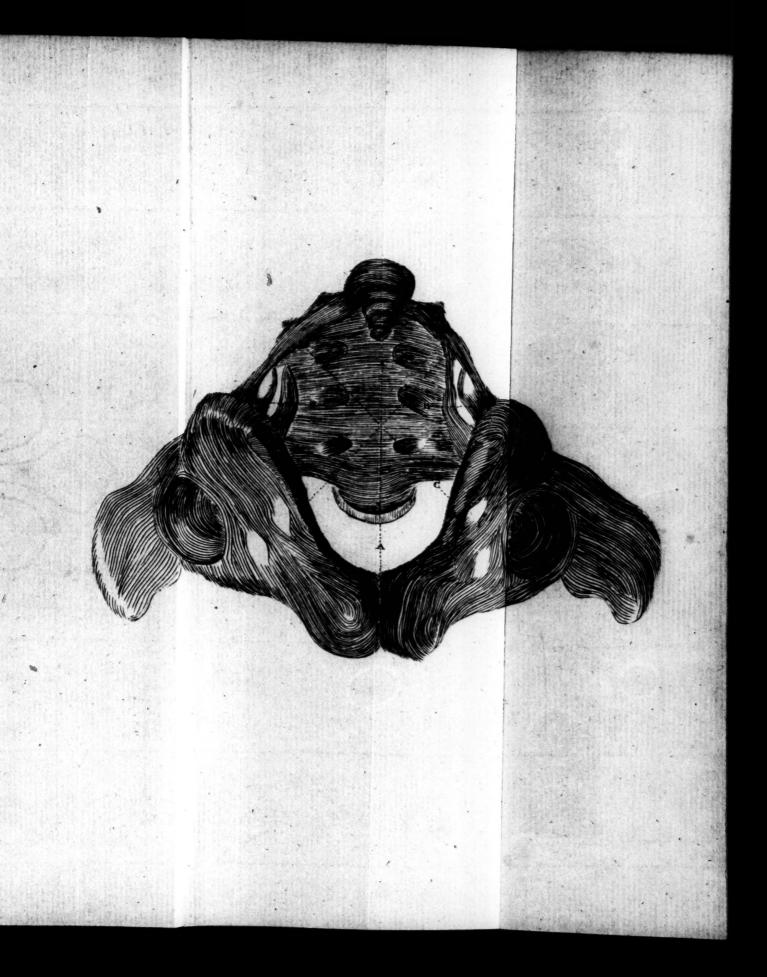
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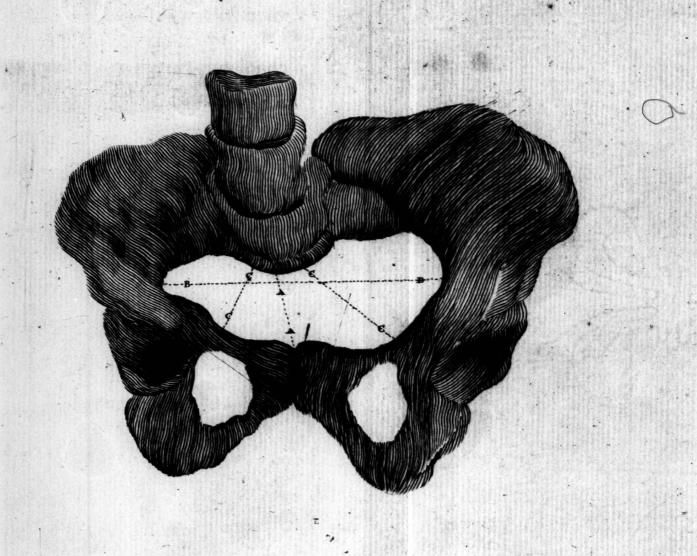


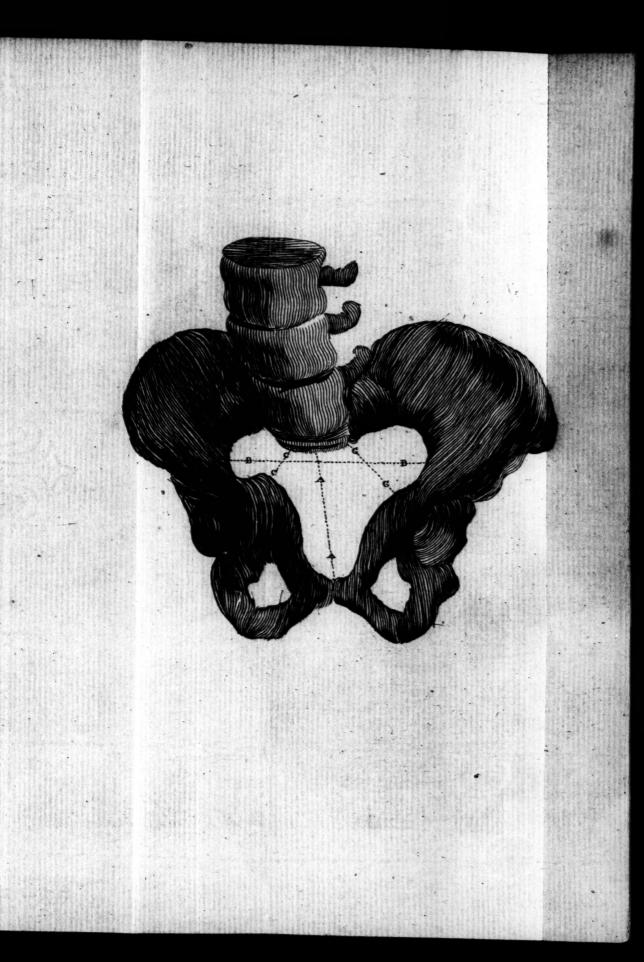




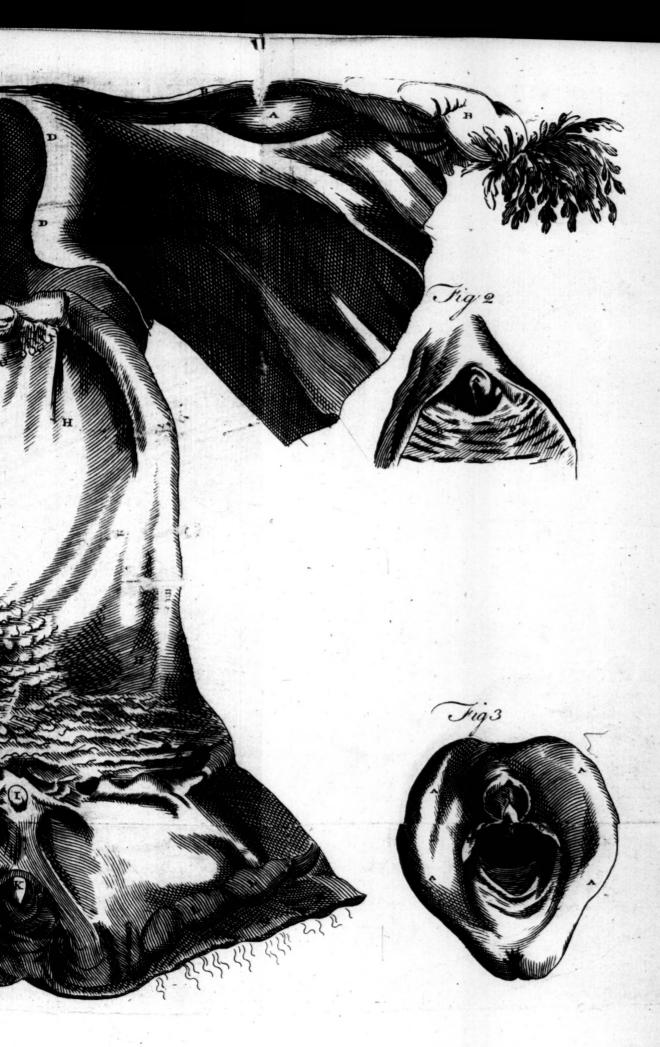




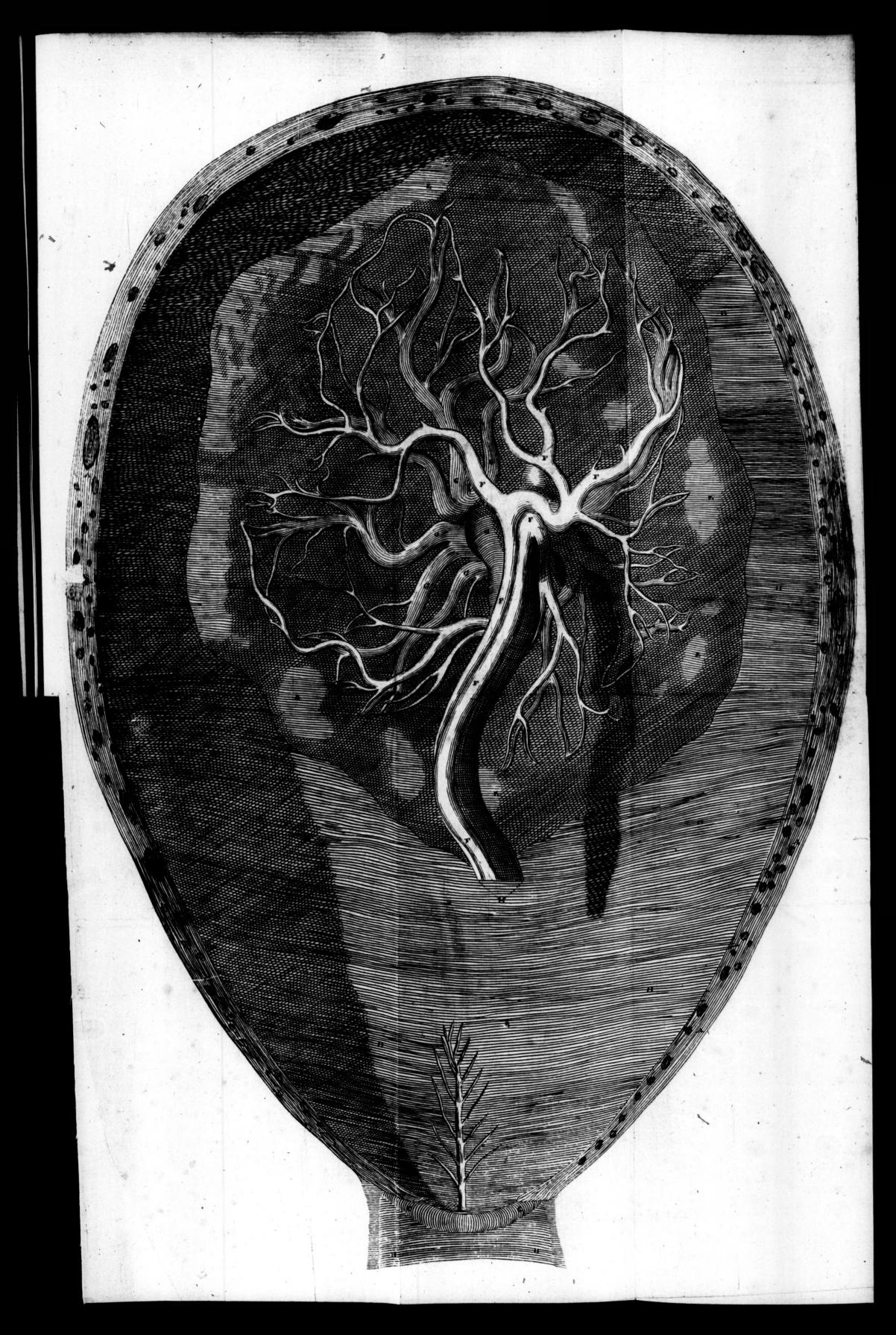


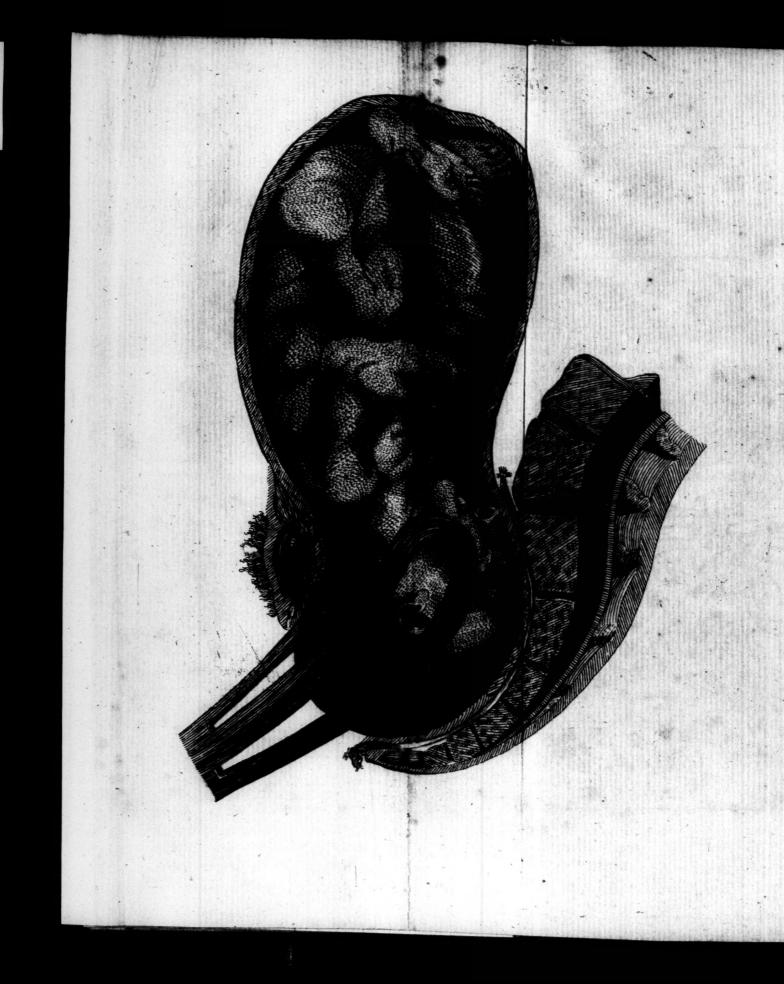


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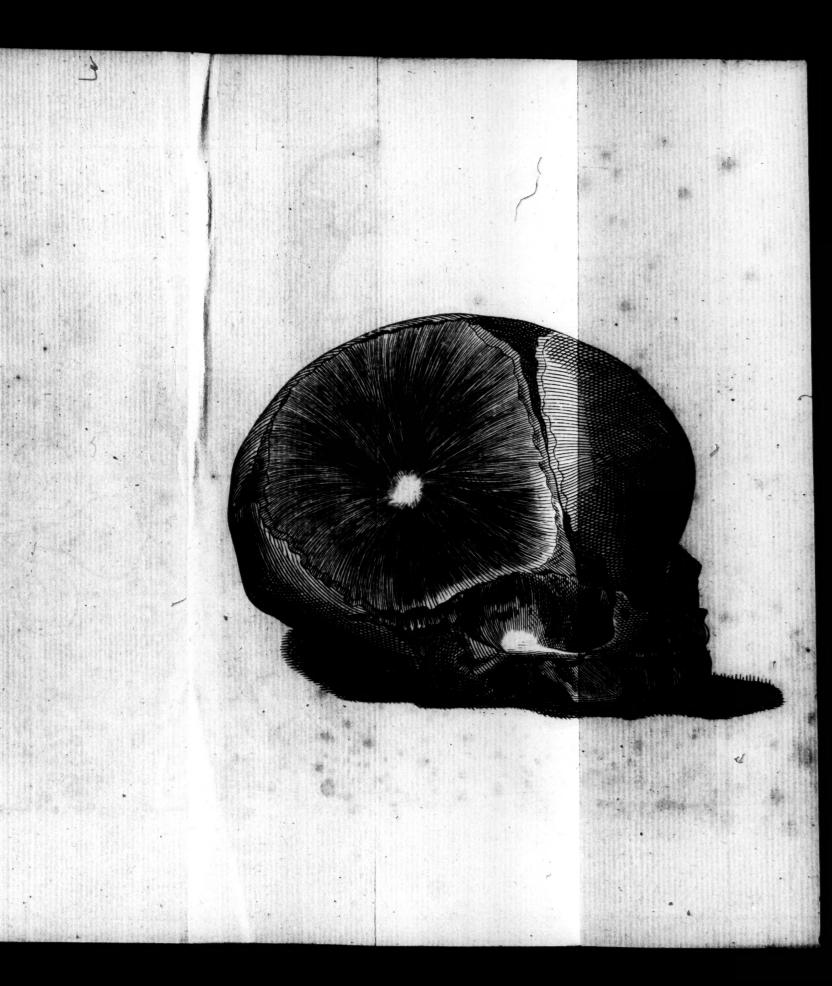


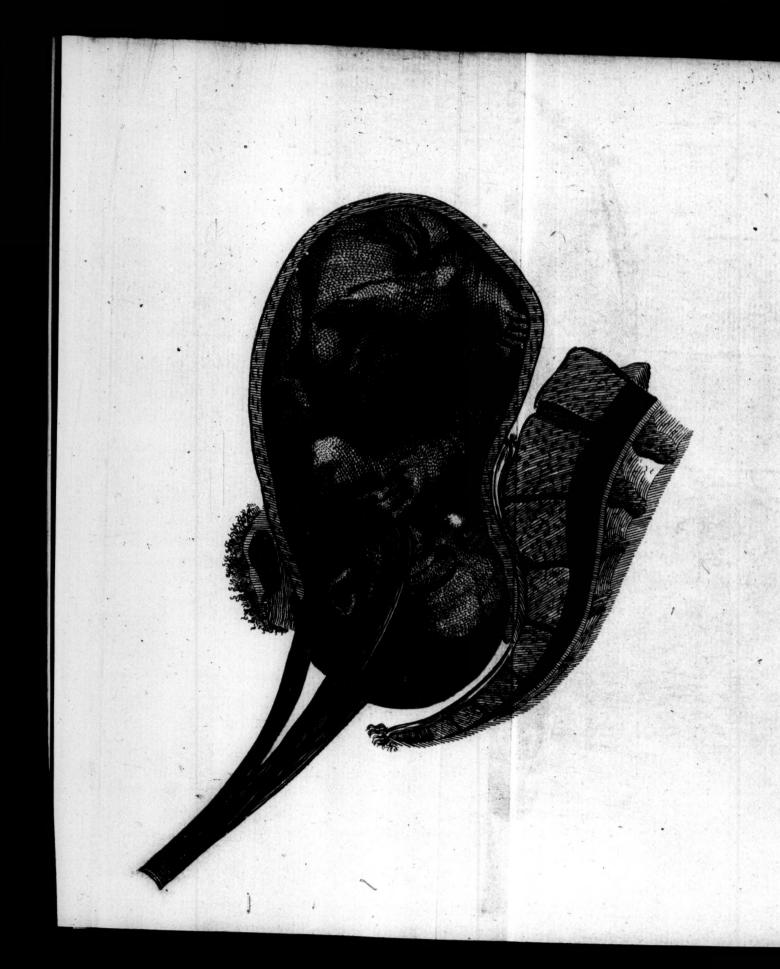


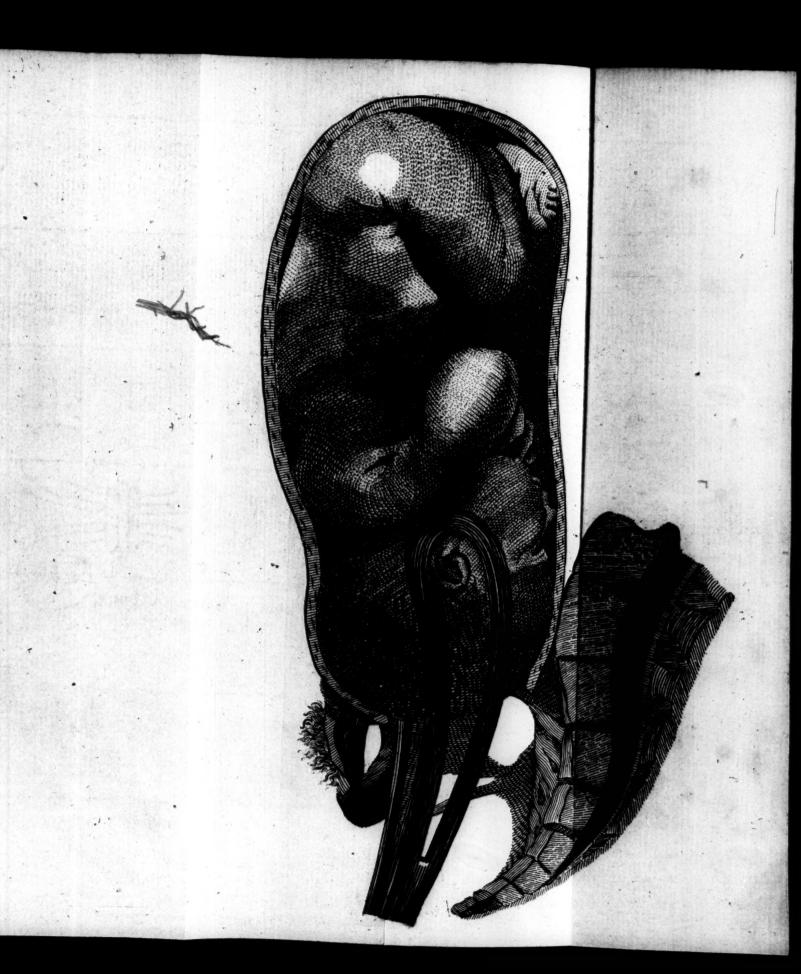




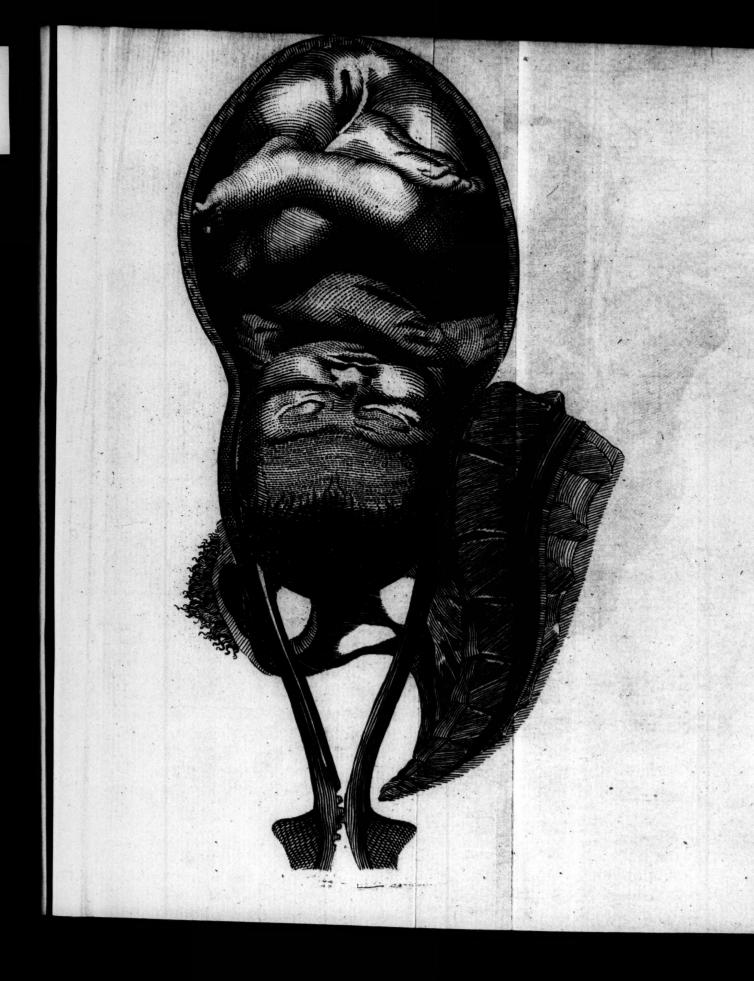
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P® earch cations





8

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